# United States Steel Corporation Mon Valley Works Clairton Plant

Title V Operating Permit No 0052

Annual Certification of Compliance

March 27, 2012 through December 31, 2012

Book 2 of 2



# Permit Requirement IV.9 - Boiler Cold Start

This fulfills the requirements for semi-annual reporting of boiler cold starts per the waiver received in accordance with ACHD Article XXI §2108.01.d.

During the period covered by this report, cold starts were performed on the following boilers on the following days:

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<u>Date</u>	<u>Boiler</u>	<u>Time</u>
April 5	T1, T2	0745, 1345
April 9	R1	0515
April 10	R2	0520
April 17	T1, T2, R1, R2	0805, 0945, 0610, 0455
April 23	T2	1515
April 26	T2	1450
April 29	R2	1555
May 5	T2	2215
May 7	R1	0750
May 14	T2	0815
May 18	Boiler 1	1030
June 7	R1	0720
June 11	Tl	1420
July 5	T1	0900
July 9	Boiler 2	1000
July 10	R1	1215
July 24	T1	0840
July 25	R2	0845
August 10	T2	0840
August 23	T1	1225
October 1	R1	0855
October 3	R2	0725
October 4	-T1	1145
October 8	R1	0730
October 13	T2	2230
October 18	T1	1355
October 23	T2	1230
October 29	R2	0940
November 9	T1	1045
November 13	T2	0930
December 11	TI	1230
December 12	$\tilde{ m R2}$	1615
December 22	Tī	1430
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# Paragraph IV.29 – Consent Order and Agreement dated March 17, 2008 – Batteries 1, 2, 3, 13, 14, 15, 19, 20 and B

Please accept this submittal as the Quarterly Report for United States Steel, Clairton Coke Works for the period of March 27 through December 31, 2012 according to the reporting requirements of the Clairton Plant portion of the Mon Valley Works Consent Order and Agreement signed March 17, 2008, amended September 30, 2010 and amended July 6, 2011. Also enclosed is a check in the amount of \$84,800 for stipulated penalties for the 4<sup>th</sup> quarter 2012.

During the period of March 27 through March 31, 2012, on Battery 20 the B2, B3, B4, B5, B6, B7, B8, B9, and B10 ovens were out of service for part of the quarter for repairs or as part of the work zone. On Battery 20 the walls B2, B3, B4, B5, B8, B9, A27, and A28 ovens were scheduled to be repaired during the 2<sup>nd</sup> quarter 2012 per Paragraph V.a.3 and 4. There were no walls on 19 Battery scheduled to be repaired during the quarter; repairs have been completed.

During the 2<sup>nd</sup> quarter 2012, on Battery 20 the A23, A24, A25, A26, A27, A28, A29, B1, B2, B3, B4, B5, B6, B7, B8, B9, and B10 ovens were out of service for part of the quarter for repairs or as part of the work zone. On Battery 20 the walls A19, A20, A23, A24, A25, A26, A29, and B1 ovens were scheduled to be repaired during the 3<sup>rd</sup> quarter 2012 per Paragraph V.a.3 and 4. There were no walls on 19 Battery scheduled to be repaired; repairs have been completed.

During the 3<sup>rd</sup> quarter 2012, on Battery 20 the B1, B2, A29, A28, A27, A26, A25, A24, A23, A22, A21, A20, A19, A18, A17, A16, and A15 ovens were out of service for part of the quarter for repairs or as part of the work zone. On Battery 20 the walls A17, A18, A20, A21, A11, A12, A15, and A16 ovens were scheduled to be repaired during the 4<sup>th</sup> quarter 2012 per Paragraph V.a.3 and 4. There were no walls on 19 Battery scheduled to be repaired during the 4<sup>th</sup> quarter; repairs have been completed.

During the 4<sup>th</sup> quarter 2012, on Battery 20 the A23, A22, A21, A20, A19, A18, A17, A16, A15, A14, A13, A12, A11, A10, A9, A8, and A7 ovens were out of service for at least part of the quarter for repairs or as part of the work zone. On Battery 20 the walls A3, A4, A7, A8, A9, A10, A13, and A14, ovens are scheduled to be repaired during the 1<sup>st</sup> quarter 2013 per Paragraph V.a.3 and 4. There are no walls on 19 Battery scheduled to be repaired; repairs have been completed.

During the period of March 27 through December 31, 2012 the following heating walls were replaced and put back into service per Paragraph V.a.2:

The status of the milestones in Section IV of the Mon Valley Agreement for the Clairton Plant, as of June 30, 2011, is as follows:

	<b>3</b>	

B4/20	April 10, 2012	
B5/20	April 10, 2012	
B8/20	April 10, 2012	
B9/20	April 10, 2012	
B2/20	May 30, 2012	
B3/20	May 30, 2012	
A27/20	May 30, 2012	
A28/20	May 30, 2012	
A25/20	July 19, 2012	
A26/20	July 19, 2012	
A29/20	July 19, 2012	
B1/20	July 19, 2012	
A19/20 A20/20	August 30, 2012	
	August 30, 2012	
A23/20	August 30, 2012	
A24/20	August 30, 2012	
A17/20	October 16, 2012	
A18/20	October 16, 2012	
A20/20	October 16, 2012	
A21/20 October 16, 2012		
A21/20	December 17, 2012	
A12/20	December 17, 2012	
A12/20 A15/20	December 17, 2012	
	December 17, 2012	
A16/20	December 17, 2012	

Milestone	Date	Status
Shutdown Batteries 7, 8, and 9	December 31, 2012	Complete
Complete automation of the reversing rooms on Batteries 1, 2, and 3	July 31, 2008	Complete
Compliance with soaking restriction on Batteries 1, 2, and 3.	November 29, 2010	Complete
Compliance with minimum coking time of 21.75 hours on Batteries 1, 2, and 3.	November 29, 2010	Complete
Perform four soaking observations on Batteries 1, 2, and 3.	November 29, 2010	Complete
Perform eight pushing observations on Batteries 1, 2, and 3.	November 29, 2010	Complete
Complete an oven wall inspection on Batteries 1, 2, and 3 and submit a report of the findings.	January 13, 2011	Complete
Submit an evaluation protocol for the	December 29, 2010	Complete

No. 1 Quench Tower		
h	7) 21 21 2012	
Achieve compliance with Article XXI on Batteries 1, 2, and 3	December 31, 2013	On schedule
Complete 2 <sup>nd</sup> round of Enhanced	June 30, 2008	Complete
Preventive Maintenance Refractory		
Repair Plan on Battery 15		
Complete 3 <sup>rd</sup> round of Enhanced	December 31, 2008	Complete
Preventive Maintenance Refractory		***************************************
Repair Plan on Battery 15		
Achieve compliance with the stack	December 31, 2008	Complete
opacity standards on Battery 15		*
Replace 25 heating walls on Battery 19	October 31, 2012	Complete
Achieve compliance with the stack	December 31, 2012	Complete
opacity standards on Battery 19	*	<b>Y</b>
Complete installation of WOBBE	April 30, 2008	Complete
stabilizer on Battery 20		a consposition.
Replace 88 heating walls on Battery 20	October 31, 2014	On schedule
Achieve compliance with the stack	December 31, 2014	On schedule
opacity standards on Battery 20		
Replace the No. 3 Screening Station	Upon completion and	Complete
with the No. 4 Screening Station	startup of C Battery	1
Submit permit application for new low	October 30, 2010	Complete
emission quench towers		*
Installation of new low emission	December 31, 2013	On schedule
quench towers		
Submit a test protocol and schedule for	Within 60 days of	Complete
an evaluation of the Keystone Cooling	completing the No. 1	*
Tower	Quench Tower	
	evaluation	
Submit a report on the Keystone	Within 60 days of	Complete
Cooling Tower evaluation	completing the test	_
Submit a test protocol and schedule for	Within 60 days of	Complete
an evaluation of the Aeration Basins	completing the	Ť
	Keystone Cooling	
	Tower evaluation	
Submit a report on the Aeration Basins	Within 60 days of	Complete
evaluation	completing the test	
Have a site available for SODAR	January 10, 2011	Complete
Install, maintain, and operate a SODAR		On schedule
for 3 years		

The list of clock hours during for the period of March 27 through December 31, 2012 that compliance was not achieved for Article XXI opacity limits on Batteries 1, 2, 3, 13, 14, 15, 19, 20, and B combustion stack as measured by the continuous opacity monitor (COM) per

Paragraph V.a.1 along with the date, time, root cause and last oven charged for each exceedance are listed in Appendix 1.

The deviations during for the period of March 27 through December 31, 2012 compliance was not achieved for Article XXI §2105.21(e)(4) and (e)(5) limits on Batteries 1, 2, 3, 13, 14, 15, 19, 20, and B per Paragraph V.a.1 along with the oven, date, time, and root cause for each exceedance are attached in Appendix 1.

There were no instances of deviations with the soaking restriction.

There were no instances of deviations with the minimum coking time restriction on Batteries 1, 2, and 3.

There were no deviations of the testing requirements except that an outage on December 13 prohibited the observation of 6 pushes on Battery 1, 4 pushes on Battery 2, 7 pushes on Battery 3, 2 soaking observations on Battery 1, 2 soaking observations on Battery 2, and 4 soaking observations on Battery 3.

### Permit Section V.A - Batteries 1, 2, and 3

### Permit Requirement V.A.1.a, b, c, d, and e - Battery Flare System - Batteries 1, 2, and 3

There were no deviations of the above requirements relating to the operation of the battery coke oven gas flare system, during the period covered by this submittal.

### Permit Requirement V.A.1.f - Big Plug Doors - Batteries 1, 2, and 3

There were no deviations of the requirement to install and operated big plug doors with the following clarification of certification as submitted as part of the Title V Application Process.

The compliance certification contained in this submittal is based on the understanding that big plug doors, required by  $\xi 2105.21.b.5$ , meet the specified dimensions contained in the regulation when initially installed except that portion of the plug located in the tunnel head above the design coal line. The plugs may experience inconsequential dimensional changes over time in the course of normal operations.

#### Permit Requirement V.A.1.g - §63.310(a)

There were no deviations to the above reference requirement.

# $\frac{Permit\ Requirement\ V.A.1.h-Flare\ or\ Combustion\ of\ High\ H_2S\ Coke\ Oven\ Gas-Batteries\ 1,\ 2,\ and\ 3}{Batteries\ 1,\ 2,\ and\ 3}$

There were no deviations of the above requirements relating to the operation of the battery coke oven gas flare system during the period covered by this submittal on Battery 3.

One flaring of coke oven gas incident occurred on November 11, 2012 on Battery 2 and one November 13, 2012 on Battery 1.

An outage of the No 2 Control Room Processes caused Batteries 1, 2, and 3 to combust coke oven gas which contained sulfur compounds in excess of 40gr/100 dscf from September 14 through September 23, 2012.

# Permit Requirement V.A.1.i - Visible Opacity from Flare Operation - Batteries 1, 2, and 3

There were no documented deviations of the above requirement related to the operation of the battery coke oven gas flare system during the period covered by this submittal.

# <u>Permit Requirement V.A.1.j.</u>, and k —§63.304 and 63.306 Requirements — Batteries 1, 2, and 3

There were no deviations of the above requirement (30-day rolling averages or implementation of Work Practices for doors, lids, charging, and offtakes) during the period covered by this submittal.

# Permit Requirement V.A.1.1, m, n, o, and p -\(\xi 2105.21a\), b, c, and d Requirements - Batteries 1, 2, and 3

On Battery 1 there were no deviations of the above requirements for percent leaking doors (for 100% compliance), lids (for 100% compliance), or offtakes (for 100% compliance), 40 percent door leaking after 15 minutes or excess seconds of charging (for 100% compliance). Details are listed in Appendix 2.

On Battery 2 there were the following deviations of the above requirements for percent leaking doors (zero deviations for 100% compliance), lids (zero deviations for 100% compliance), or offtakes (zero deviations for 100% compliance), 40 percent door leaking after 15 minutes (one deviation for 99.9% compliance) or excess seconds of charging (two deviations for 99.29% compliance). Details are listed in Appendix 2.

On Battery 3 there were the following deviations of the above requirements for percent leaking doors (one deviation for 99.65% compliance), lids (zero deviations for 100% compliance), or offtakes (zero deviations for 100% compliance), 40 percent door leaking after 15 minutes (4 deviations for 99.9% compliance) or excess seconds of charging (one deviation for 99.65% compliance). Details are listed in Appendix 2.

# Permit Requirement V.A.1.q -\\$2105.21.e.5 Travel Requirements - Batteries 1, 2, and 3

There were 32 deviations on Battery 1 (for 98.66% compliance), 30 deviations on 2 Battery (for 98.75% compliance), and 33 deviations on 3 Battery (for 98.61% compliance) of the opacity limitations for the transport of hot coke through the open atmosphere (travel) during the reporting period of this submittal. Details are listed in Appendix 3.

# <u>Permit Requirement V.A.1.r - \$2105.21.f.2 Stack Mass Emission Limit - Batteries 1, 2, and 3</u>

There were no documented deviations of the above requirement during the reporting period of this submittal. Combustion Stack for Battery 3 was tested on October 19, 2012. The stacks for Batteries 1 and 2 were not tested during the reporting period.

# Permit Requirement V.A.1.s — §2105.21.f.3 and 4 Stack Opacity Limits — Batteries 1, 2, and 3

There were 274 deviations on Battery 1 (for 95.85% compliance), 326 deviations on Battery 2 (for 95.02% compliance), and 428 deviations on Battery 3 (for 93.51% compliance) of the 20%

stack opacity limit. There were 45 deviations on Battery 1 (for 99.32% compliance), 109 deviations on Battery 2 (for 98.33% compliance), and 96 deviations on Battery 3 (for 98.54% compliance) of the 60% stack opacity limit. Details are listed in Appendix 1.

# <u>Permit Requirement V.A.1.t and u -\{\}63.72969a\}, (b), and (d) - Stack Opacity Limits - Batteries 1, 2, and 3</u>

There were no deviations of the above limitations or requirements during the reporting period covered by this submittal. All notifications were submitted as required.

#### Permit Requirement V.A.1.v - Emissions Limitations Table - Batteries 1, 2, and 3

There were no deviation of the limitations of PM, PM-10, or PM2.5 for Batteries 1, 2, or 3 as listed in Table V.A.1.

On September 14, 15, 16, 17, 18, 19, 20, 21, and 22 an outage of No 2 Control Room caused all coke oven gas available to contain more than 40 gr/100 dscf of H2S resulting in deviations of the SO2 lb/hr limitation. No deviations of the SO2 tons/year occurred.

### Permit Requirement V.A.2 - Testing Requirements - Batteries 1, 2, and 3

There were no deviations of the testing requirements. Combustion Stack for Battery 3 was tested on October 19, 2012. The stacks for Batteries 1 and 2 were not tested during the reporting period.

### Permit Requirement V.A.3 - Monitoring Requirements - Batteries 1, 2, and 3

There were no deviations of the testing requirements except that an outage on December 13 prohibited the observation of 6 pushes on Battery 1, 4 pushes on Battery 2, 7 pushes on Battery 3, 2 soaking observations on Battery 1, 2 soaking observations on Battery 2, and 4 soaking observations on Battery 3.

#### <u>Permit Requirement V.A.4 – Record Keeping Requirements</u>

Out-of-control periods per permit requirement V.4.c and §63.7341 (c)(6) and (8)(iii) and/or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in Appendix 4.

There were no other record keeping deviations.

#### Permit Requirement V.A.5.a - Coke Plant Operations Data

The reports required by Paragraph V.A.5.a were submitted as required no later than twenty days after the end of each month. The reports for the reporting period are attached in Appendix 5.

### Permit Requirement V.A.5.b - Battery NESHAP - Batteries 1, 2, and 3

According to the semi-annual compliance certification and reporting requirements of 40 CFR §63.311(d) for the period covered by this report,

No coke oven gas was vented except through the bypass/ bleeder stack flare system of Batteries 1, 2, or 3.

There were no startup, shutdown, or malfunction events for Batteries 1, 2, or 3 that required the implementation of §63.310.

Work practices were not implemented under §63.306 at Batteries 1, 2, or 3.

#### Permit Requirement V.A.5.c - Venting of Coke Oven Gas

There were no instances of venting of coke oven gas during the report time period therefore, no reports were required.

#### Permit Requirement V.A.5.d - §63.310(d) Notification

There were no instances of startup, shutdown, or malfunction events for Batteries 1, 2, or 3 that required the implementation of §63.310 during the report time period therefore, no notifications were required.

#### Permit Requirement V.A.5.e - §63.310(e) Reports

There were no instances of startup, shutdown, or malfunction events for Batteries 1, 2, or 3 that required the implementation of §63.310 during the report time period therefore, no reports were required.

### Permit Requirement V.A.5.f and g - Enforcement Order dated March 17, 2008

See above.

#### Permit Requirement V.A.5.h - §63.7336(a) - MACT Stack Requirements

There were no instances where the emission limitations in Conditions V.A.1.t (daily average stack opacity) or V.A.1.u (initial compliance status notification) were not met.

#### Permit Requirement V.A.5.i - §63.7336(b) - Periods of Startup, Shutdown, or Malfunction

There were not periods of start-up, shutdown, or malfunction that required the implementation of the Startup, Shutdown, or Malfunction Plan relating to the requirements of 40 CFR Part 63 Subpart CCCCC.

#### Permit Requirement V.A.5.j - §63.7340(a) - Initial Notifications

All required notifications required by §63.6(h)(4) and (5), §63.7(b) and (c), §63.8(e) and (f)(4) and §63.9(b) through (h) that apply were submitted by the specified dates.

#### <u>Permit Requirement V.A.5.k, and i – §63.7341(a) and (b) – Submittal of Quarterly Stack</u> Compliance Reports

Quarterly compliance reports for Battery Stacks 1, 2, and 3 were submitted as required and contained the information required. Reports for the period covered by this submittal are also included in this submittal.

#### Permit Requirement V.A.5.m - §63.7341(c)- Quarterly Stack Compliance Report

Quarterly compliance reports for Battery Stacks 1, 2, and 3 were submitted as required, according to the reporting requirements of 40 CFR §63.7341 and contained the information required. Reports for the period covered by this submittal are also included in this submittal.

Out-of-control periods per §63.7341 (c)(6) and (8)(iii) and/or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in Appendix 4.

During the period stated above there were no start-up, shutdown, malfunctions or deviations relating to the emission limitation requirements of daily stack opacity.

#### <u>Permit Requirement V.A.5.n – §63.7341(d)- Startup, Shutdown, or Malfunction</u> Occurrences

During the period stated above there were no start-up, shutdown, malfunctions or deviations that required the implementation of the requirements in §63.10(d)(5)(ii).

#### Permit Requirement V.A.5.0 - §63.7341(e) - Reporting of Deviations

All deviations have been submitted as required to the best of our ability.

#### Permit Requirement V.A.6 - Work Practices

There were no deviations from the work practice requirements required by Permit Paragraph V.A.6.

#### Batteries 1-3 PEC

# <u>Permit Requirement V.B.1.a – §2105.21.e and IP 0052-I006 – PEC Outlet and Pushing Emissions</u>

There were no documented deviations from the particulate mass emission rate from the pushing emission control system device. Testing was not conducted during the reporting period.

During the period stated above there were 10 instances out 2384 observations of non-compliance on 1 Battery (99.58% compliance), 6 instances out of 2396 observations on 2 Battery (99.75% compliance) and 13 instances out of 2366 on 3 Battery (99.45% compliance) with Condition VI.1.a.2 (fugitive pushing emissions or emissions from the pushing emission control system device outlet equal or exceeding an opacity of 20%). The details of these instances along with corrective actions taken are attached in Appendix 6.

#### Permit Requirement V.B.1.b - §2105.21.e.6 - PM-10 SIP contingency

Implementation of the PM-10 SIP Contingency Plan was not required during the reporting period.

#### Permit Requirement V.B.1.c - §2105.03 and IP 0052-1006 - Pushing with the PEC

During the period stated above there were 9 instances of non-compliance with the above requirement (emissions due to pushing of Battery 1, 2, and 3 coke ovens shall be vented through the PEC system baghouse dust collector) that resulted in 62 ovens not being captured. There were 28 instances of reduced efficiency pushing operations at Battery No. 1, 2, and 3 PEC Baghouse. These were detailed in monthly coking process reports submitted as required by Enforcement Order 202.E which are attached in Appendix 5.

There were 3 instances where the dp was greater than 10 and corrective action was implemented to return the dp to the normal operating range. These are detailed in Appendix 5.

### Permit Requirement V.B.1.d - §63.7290(a) - Mass Emission Rate from PEC - MACT

During the period stated above, there were no documented deviations with the requirements of §63.7290 on the pushing emissions control (PEC) devices servicing Batteries 1-3. Testing was not conducted during the reporting period.

#### Permit Requirement V.B.1.e - §63.7290(b)(3) - Minimum Daily Fan Amps

There were two deviations for recording the fan amps on 1-3 PEC.

There were no deviations from the minimum fan amp requirement for Batteries 1-3. There were no other deviations with the requirements of the minimum fan amperes as established during the initial performance test per the requirements of §63.7333(d) for these units.

### <u>Permit Requirement V.B.1.f – §63.7333(a) – Maintaining Compliance with Mass Emission</u> Rate and Testing

During the period stated above, there were no documented deviations with the requirements of §63.7333(a) on the pushing emissions control (PEC) devices servicing Batteries 1-3. Testing was not conducted during the reporting period.

# Permit Requirement V.B.1.g - §2105.03 and IP 0052-I006 - Emissions Limitations Table

During the period stated above, there were no documented deviations with above referenced requirements on the pushing emissions control (PEC) devices servicing Batteries 1-3.

### Permit Requirement V.B.2 - Testing

There were no deviations to the testing requirements.

# Permit Requirement V.B.3.a and b - IP0052-006 - Monitoring of differential pressure drop

There were no deviations to the above referenced monitoring requirements.

# Permit Requirement V.B.3.c - §63.7291(a) - Pushing Observations

During the period of March 27 through June 30, there were no ineffective corrective actions pushing observations. The following ovens were observed outside of the 90-day window due to oven conditions and repairs but were observed on the first daylight push. These ovens are: B18 on 1 Battery; A6 and A23 on 2 Battery; and B21 on 3 Battery. Every effort is being made to allow for an observation per the procedure in §63.7334(a). There were 8 malfunctions that caused daylight pushes to be missed being observed on B18/1 (three daylight pushes missed), A6/2 (one daylight push missed), A23/2(one daylight push missed), and B21/3(three daylight pushes missed). There were no other start-up, shutdown, malfunctions or deviations relating to the pushing work practice requirements of §63.7291(a).

During the 3<sup>rd</sup> and 4<sup>th</sup> quarters, there were no ineffective corrective actions pushing observations. The following ovens were observed outside of the 90-day window due to oven conditions and repairs but were observed on the first daylight push. These ovens are: A4, A8, A10, A12, A14, A24, A26, A28, A30, B1, B2, B3, B6, B8, B17, and B19 on 1 Battery; A1 on 2 Battery; A2, A3, A4, A5, A6, A7, A8, A10, A12, A14, A18, B9, A24, and B30 on 3 Battery.

Every effort is being made to allow for an observation per the procedure in §63.7334(a). There were 6 malfunctions that caused daylight pushes to be missed being observed on the following ovens A6/3 (one daylight push missed), A7/31 (two daylight pushes missed), and B9/3(three daylight pushes missed. There was one training malfunction that caused the B18/1 corrective action completion to be late. There were no other start-up, shutdown, malfunctions or deviations relating to the pushing work practice requirements of §63.7291(a)

# Permit Requirement V.B.3.d - §63.7291(b) - Alternate to Work Practice

No alternate has been requested.

# Permit Requirement V.B.3.e - §63.7300(c) - O&M Plan for PEC System

There were no deviations to the above referenced requirements.

# Permit Requirement V.B.3.f, g, and h - §63.7330(a) and 63.7331(a) and (b) - Bag Leak Detection System for PEC System

There were no deviations to the above referenced requirements.

### Permit Requirement V.B.3.i through k - §63.7331(c), (d) and (h)

There were no deviations to the above referenced requirements.

# Permit Requirement V.B.3.1 - §63.7331(g) - Volumetric Flow

The above requirement does not apply.

# Permit Requirement V.B.3.m, n, and o - §63.330(d), 63.7332(a), and (b)

There were two instances of missing the required recording of the fan amps on 1-3 PEC. These are listed in Appendix 7.

# Permit Requirement V.B.3.p - §63.333(d) - Minimum Fan Amps

There were two deviations for recording the fan amps on 1-3 PEC. There were no deviations from the minimum fan amp requirement for Batteries 1-3. There were no other deviations with the requirements of the minimum fan amperes as established during the initial performance test per the requirements of §63.7333(d) for these units.

# Permit Requirement V.B.3.q - §63.7334(a) - Pushing Observations

See above permit requirement.

### Permit Requirement V.B.3.r - §63.7335(c) - Inspection of PEC System

There were no deviations to the above referenced requirements.

### Permit Requirement V.B.4 - Record Keeping

There were no deviations to the above referenced record keeping requirements.

### Permit Requirement V.B.5.a - Coke Plant Operations Data

The reports required by Paragraph V.A.5.a were submitted as required no later than twenty days after the end of each month. The reports for the reporting period are attached in Appendix 5.

# <u>Permit Requirement V.B.5.b, c, and d- IP0052-006 - Reporting of Instances of Non-compliance and Breakdown Reports</u>

Instances of non-compliance per the above requirement are included in this submittal for the reporting period. There were no deviations regarding breakdown reporting.

### Permit Requirement V.B.5.e through k-Reporting Requirements

There were no deviations with the above referenced reporting requirements.

### Permit Requirement V.B.6 - Work Practice Standards

There were no deviations to the above referenced work practice standards.

#### Permit Section V.C - Batteries 13, 14, and 15

# <u>Permit Requirement V.C.1.a, b, c, d, and e – Battery Flare System – Batteries 13, 14, and 15</u>

There were no documented deviations of the above requirement related to the operation of the battery coke oven gas flare system during the period covered by this submittal on Batteries 14 and 15. There were two breakdowns of the flaring system on Battery 13 on May 8 and May 10. Neither breakdown resulted in any environmental impact.

There were no other deviations of the above requirements relating to the operation of the battery coke oven gas flare system, during the period covered by this submittal.

#### Permit Requirement V.C.1.f - Startup, shutdown, Malfunction - Batteries 13, 14, and 15

There were no deviations of the above referenced requirement.

#### <u>Permit Requirement V.C.1.g – Flare or Combustion of High H2S Coke Oven Gas–</u> Batteries 13, 14, and 15

There were no deviations of the above requirements relating to the operation of the battery coke oven gas flare system during the period covered by this submittal on Battery 14 and 15.

One flaring of coke oven gas incident occurred on May 10, 2012 on Battery 13.

An outage of the No2 Control Room Processes caused Batteries 13, 14, and 15 to combust coke oven gas which contained sulfur compounds in excess of 40gr/100 dscf from September 14 through September 23, 2012.

#### Permit Requirement V.C.1.h - Visible Emissions from Flare Operation- 13, 14, and 15

There were no documented deviations of the above requirement.

# Permit Requirement V.C.1.i, and j - §63.304 and 63.306 Requirements - Batteries 13, 14, and 15

There were no deviations of the above requirement (30-day rolling averages or implementation of Work Practices for doors, lids, charging, and offtakes) during the period covered by this submittal.

# Permit Requirement V.C.1.l, m, n, and o —§2105.21a, b, c, and d Requirements – 13, 14, and 15

On Battery 13 there were the deviations of the above requirements for percent leaking doors (two deviations for 99.29% compliance), lids (zero deviations for 100% compliance), or offtakes (zero deviations for 100% compliance), 40 percent door leaking after 15 minutes (four deviations for 99.9% compliance) and excess seconds of charging (zero deviations for 100% compliance). Details are listed in Appendix 2.

On Battery 14 there were the following deviations of the above requirements for percent leaking doors (two deviations for 99.29% compliance), lids (zero deviations for 100% compliance), or offtakes (zero deviations for 100% compliance), 40 percent door leaking after 15 minutes (zero deviation for 100% compliance) or excess seconds of charging (zero deviations for 100% compliance). Details are listed in Appendix 2.

On Battery 15 there were the following deviations of the above requirements for percent leaking doors (zero deviation for 100% compliance), lids (zero deviations for 100% compliance), or offtakes (one deviation for 99.65% compliance), 40 percent door leaking after 15 minutes (one deviations for 99.9% compliance) or excess seconds of charging (zero deviations for 100% compliance). Details are listed in Appendix 2.

# <u>Permit Requirement V.C.1.p - §2105.21.e.5 Travel Requirements - Batteries 13, 14, and 15</u>

There were 9 deviations on Battery 13 for 99.29% compliance, 14 deviations on Battery 14 for 98.88% compliance, and 6 deviations on Battery 15 for 99.52% compliance of the opacity limitations for the transport of hot coke through the open atmosphere (travel) during the reporting period of this submittal. Details are listed in Appendix 3.

# <u>Permit Requirement V.C.1.q - §2105.21.f.2 Stack Mass Emission Limit - Batteries 13, 14, and 15</u>

There were no documented deviations of the above requirement during the reporting period of this submittal. Battery 13 combustion stack was tested on April 27; Battery 14 combustion stack was tested on April 26; and Battery 15 combustion stack was tested on October 23 and 24, 2012.

# <u>Permit Requirement V.C.1.r –§2105.21.f.3 and 4 Stack Opacity Limits – Batteries 13, 14, and 15</u>

There were 64 deviations on Battery 13 for 99.04% compliance, 83 deviations on Battery 14 for 98.75% compliance, and 230 deviations on Battery 15 for 96.5% compliance of the 20% stack opacity limit. There were 13 deviations on Battery 13 for 99.8% compliance, 16 deviations on Battery 14 for 99.76% compliance, and 46 deviations on Battery 15 for 99.3% compliance of the 60% stack opacity limit. Details are listed in Appendix 1.

# Permit Requirement V.C.1.s - Enforcement Order 161 - Maintain and Operate COM

There were no deviations to the above referenced requirement.

# Permit Requirement V.C.1.t and u -\\$63.72969a), (b), and (d) - Stack Opacity Limits - 13, 14, and 15

There were no deviations of the above limitations or requirements during the reporting period covered by this submittal.

### Permit Requirement V.C.1.v - Emissions Limitations Table - Batteries 13, 14, and 15

There were no deviation of the limitations of PM, PM-10, or PM2.5 for Batteries 1, 2, or 3 as listed in Table V.C.1.

On September 14, 15, 16, 17, 18, 19, 20, 21, and 22 an outage of No 2 Control Room caused all coke oven gas available to contain more than 40 gr/100 dscf of H2S resulting in deviations of the SO2 lb/hr limitation. No deviations of the SO2 tons/year occurred.

### Permit Requirement V.C.2 - Testing Requirements - Batteries 13, 14, and 15

There were no deviations of the testing requirements.

### Permit Requirement V.C.3 - Monitoring Requirements - Batteries 13, 14, and 15

There were no deviations of the monitoring requirements.

### Permit Requirement V.C.4 - Record Keeping Requirements Batteries 13, 14, and 15

Out-of-control periods per the above permit requirement and §63.7341 (c)(6) and (8)(iii) and/or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in Appendix 4.

There were no other record keeping deviations.

### Permit Requirement V.C.5.a - Coke Plant Operations Data - Batteries 13, 14, and 15

The reports required by Paragraph V.A.5.a were submitted as required no later than twenty days after the end of each month. These are detailed in Appendix 5.

### Permit Requirement V.C.5.b- Enforcement Order 161

There were no deviations to the above requirement.

# Permit Requirement V.C.5.c - Battery NESHAP - Batteries 13, 14, and 15

According to the semi-annual compliance certification and reporting requirements of 40 CFR §63.311(d) for the period covered by this report,

No coke oven gas was vented except through the bypass/ bleeder stack flare system of Batteries 13, 14, or 15.

There were no startup, shutdown, or malfunction events for Batteries 13, 14, or 15 that required the implementation of §63.310.

Work practices were not implemented under §63.306 at Batteries 13, 14, or 15.

# Permit Requirement V.C.5.d - Venting of Coke Oven Gas

There were no instances of venting of coke oven gas during the report time period therefore, no reports were required.

### Permit Requirement V.C.5.e - §63.310(d) Notification

There were no instances of startup, shutdown, or malfunction events for Batteries 13, 14, or 15 that required the implementation of §63.310 during the report time period therefore, no notifications were required.

### Permit Requirement V.C.5.f - §63.310(e) Reports

There were no instances of startup, shutdown, or malfunction events for Batteries 13, 14, or 15 that required the implementation of §63.310 during the report time period therefore, no reports were required.

# Permit Requirement V.C.5.g and h - Consent Order and Agreement Reports

There were no deviations.

### Permit Requirement V.C.5.i - §63.7336(a) - MACT Stack Requirements

There were no deviations.

# Permit Requirement V.C.5. i - §63.7336(b) - Periods of Startup, Shutdown, or Malfunction

There were no periods of start-up, shutdown, or malfunction that required the implementation of the Startup, Shutdown, or Malfunction Plan relating to the requirements of 40 CFR Part 63 Subpart CCCCC.

### Permit Requirement V.C.5.k - §63.7340(a) - Initial Notifications

All required notifications required by §63.6(h)(4) and (5), §63.7(b) and (c), §63.8(e) and (f)(4) and §63.9(b) through (h) that apply were submitted by the specified dates.

#### Permit Requirement V.C.5.1 - Test Notifications.

There were no deviations.

# Permit Requirement V.C.5.m, n, and o – §63.7341(a, b and e)- Quarterly Stack Compliance Report

Quarterly compliance reports for Battery Stacks 13, 14, and 15 were submitted as required, according to the reporting requirements of 40 CFR §63.7341 and contained the information required. Reports for the period covered by this submittal are also included in this submittal.

Out-of-control periods per §63.7341 (c)(6) and (8)(iii) and/or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in Appendix 4.

During the period stated above there were no start-up, shutdown, malfunctions or deviations relating to the emission limitation requirements of daily stack opacity.

#### <u>Permit Requirement V.C.5.p - §63.7341(d)- Startup, Shutdown, or Malfunction</u> <u>Occurrences</u>

During the period stated above there were no start-up, shutdown, malfunctions or deviations that required the implementation of the requirements in §63.10(d)(5)(ii).

### Permit Requirement V.C.5.q - §63.7341(e) - Reporting of Deviations

All deviations have been submitted as required to the best of our ability.

### Permit Requirement V.C.6 - Work Practices

There were no deviations from the work practice requirements required by Permit Paragraph V.C.6.

#### Section V.D - Batteries 13 - 15 PEC

# <u>Permit Requirement V.D.1.a – §2105.21.e and IP 0052-I008 – PEC Outlet and Pushing Emissions</u>

There were no documented deviations from the particulate mass emission rate from the pushing emission control system device. Testing was not conducted during the reporting period.

During the periods stated above there were 7 instances out 1269 observations of non-compliance on 13 Battery (99.45% compliance), 6 instances out of 1251 observations on 14 Battery (99.52% compliance) and 5 instances out of 1239 on 15 Battery (99.60% compliance) with Condition VI.1.a.2 (fugitive pushing emissions or emissions from the pushing emission control system device outlet equal or exceeding an opacity of 20%). The details of these instances along with corrective actions taken are attached in Appendix 6.

#### Permit Requirement V.D.1.b - §2105.21.e.6 - PM-10 SIP contingency

Implementation of the PM-10 SIP Contingency Plan was not required during the reporting period.

#### Permit Requirement V.D.1.c - §2105.03 and IP 0052-I008 - Pushing with the PEC

During the periods stated above there were 24 instances of non-compliance with the above condition (pushing emissions vented through the PEC system baghouse dust collector) that resulted in 2084 ovens not being captured. There were 23 instances of reduced efficiency pushing operations at Battery No. 13, 14, and 15 PEC Baghouse. These were detailed in monthly coking process reports submitted as required by Enforcement Order 202.E which are attached in Appendix 5.

There was 1 instance where the dp was greater than 10 and corrective action was implemented to return the dp to the normal operating range. These are detailed in Appendix 8.

#### Permit Requirement V.D.1.d - §63.7290(a) - Mass Emission Rate from PEC - MACT

During the period stated above, there were no documented deviations with the requirements of \$63.7290 on the pushing emissions control (PEC) devices servicing Batteries 13-15. Testing was performed on September 11 - 13, 2012.

#### Permit Requirement V.D.1.e - §63.7290(b)(3) - Minimum Daily Fan Amps

There were no deviations from the minimum fan amp requirement for Batteries 13-15. There were no other deviations with the requirements of the minimum fan amperes as established during the initial performance test per the requirements of §63.7333(d) for this unit.

#### <u>Permit Requirement V.D.1.f – §63.7333(a) – Maintaining Compliance with Mass Emission</u> Rate and Testing

During the period stated above, there were no documented deviations with the requirements of  $\S63.7333(a)$  on the pushing emissions control (PEC) devices servicing Batteries 13-15. Testing was performed on September 11 – 13, 2012.

# $\frac{Permit\ Requirement\ V.D.1.g\ and\ h-\S2105.03\ and\ IP\ 0052\text{-}I008-Emissions\ Limitations}{Table}$

During the period stated above, there were no documented deviations with above referenced requirements on the pushing emissions control (PEC) devices servicing Batteries 13-15.

#### Permit Requirement V.D.2 - Testing

There were no deviations to the testing requirements.

#### Permit Requirement V.D.3.a and b - IP0052-008 - Monitoring of differential pressure drop

There were seven deviations to the above referenced monitoring requirements. Details are listed in Appendix 8.

#### Permit Requirement V.D.3.c - §63.7291(a) - Pushing Observations

During the period of March 27 through June 30, there were no ineffective corrective actions pushing observations. All of the ovens in service on Batteries 13, 14, and 15 were observed every 90-days according to §63.7291(a)(1). There were no other start-up, shutdown, malfunctions or deviations relating to the pushing work practice requirements of §63.7291(a).

During the 3<sup>rd</sup> and 4<sup>th</sup> quarters, there were no ineffective corrective actions pushing observations. All of the ovens in service on Batteries 13 and 14 were observed every 90-days according to §63.7291(a)(1). The following ovens were observed outside of the 90-day window due to oven conditions and repairs but were observed on the first daylight push. These ovens are: A28, A30, B2, B8, B12, B14, B15, B17, B19, B21, B23, B24, B25, B27, B28, B29, and B30 15 Battery.

Every effort is being made to allow for an observation per the procedure in §63.7334(a). There was 1 malfunction that caused two daylight pushes to be missed being observed on B2/15. There were no other start-up, shutdown, malfunctions or deviations relating to the pushing work practice requirements of §63.7291(a).

There were no other deviations of the testing requirements except that on outage on December 6 prohibited the observation of daylight pushes on Battery 15.

#### Permit Requirement V.D.3.d - §63.7291(b) - Alternate to Work Practice

No alternate has been requested.

#### Permit Requirement V.D.3.e - §63.7300(c) - O&M Plan for PEC System

There were no deviations to the above referenced requirements.

# Permit Requirement V.D.3.f, g, and h - §63.7330(a) and 63.7331(a) and (b) - Bag Leak Detection System for PEC System

There were no deviations to the above referenced requirements.

#### Permit Requirement V.D.3.i through k - §63.7331(c), (d) and (h)

There were no deviations to the above referenced requirements.

#### Permit Requirement V.D.3.1 - §63.7331(g) - Volumetric Flow

The above requirement does not apply.

#### Permit Requirement V.D.3.m, n, and o - §63.330(d), 63.7332(a), and (b)

There were no deviations to the above referenced requirements.

#### Permit Requirement V.D.3.p - §63.333(d) - Minimum Fan Amps

There were no deviations to the above referenced requirements.

#### Permit Requirement V.D.3.q - §63.7334(a) - Pushing Observations

See above permit requirement.

#### Permit Requirement V.D.3.r - §63.7335(c) – Inspection of PEC System

There were no deviations to the above referenced requirements.

#### Permit Requirement V.D.4 - Record Keeping

There were no deviations to the above referenced record keeping requirements.

#### Permit Requirement V.D.5.a - Coke Plant Operations Data

The reports required by Paragraph V.D.5.a were submitted as required no later than twenty days after the end of each month. The reports for the reporting period are attached in Appendix 5.

# <u>Permit Requirement V.D.5.b, c, and d- IP0052-008 - Reporting of Instances of Non-compliance and Breakdown Reports</u>

Instances of non-compliance per the above requirement are included in this submittal for the reporting period. There were no deviations regarding breakdown reporting.

#### Permit Requirement V.D.5.e through k - Reporting Requirements

There were no deviations with the above referenced reporting requirements.

#### Permit Requirement V.D.6 - Work Practice Standards

There were no deviations to the above referenced work practice standards.

#### Permit Section V.E – 19 and 20 Batteries

#### Permit Requirement V.E.1.a, b, c, d, and e - Battery Flare System - Batteries 19 and 20

There were no deviations of the above requirements relating to the operation of the battery coke oven gas flare system, during the period covered by this submittal.

#### Permit Requirement V.E.1.f - Big Plug Doors - Batteries 19 and 20

There were no deviations of the requirement to install and operated big plug doors with the following clarification of certification as submitted as part of the Title V Application Process.

The compliance certification contained in this submittal is based on the understanding that big plug doors, required by  $\xi 2105.21.b.5$ , meet the specified dimensions contained in the regulation when initially installed except that portion of the plug located in the tunnel head above the design coal line. The plugs may experience inconsequential dimensional changes over time in the course of normal operations.

#### Permit Requirement V.E.1.g - §63.310(a)

There were no deviations to the above reference requirement.

# <u>Permit Requirement V.E.1.h – Flare or Combustion of High H2S Coke Oven Gas–Batteries 19 and 20</u>

There were no deviations of the above requirements relating to the operation of the battery coke oven gas flare system during the period covered by this submittal on Batteries 19 and 20.

An outage of the No2 Control Room Processes caused Batteries 19 and 20 to combust coke oven gas which contained sulfur compounds in excess of 40gr/100 dscf from September 14 through September 23, 2012.

#### Permit Requirement V.E.1.i - Flare Operation-Batteries 19 and 20

There were no documented deviations of the above requirement related to the operation of the battery coke oven gas flare system during the period covered by this submittal.

# <u>Permit Requirement V.E.1.j. and k –§63.304 and 63.306 Requirements – Batteries 19 and 20</u>

There were no deviations of the above requirement (30-day rolling averages or implementation of Work Practices for doors, lids, charging, and offtakes) during the period covered by this submittal.

# Permit Requirement V.E.1.I, m, n, o, p, q, r, s and t —\{2105.21a, b, c, and d Requirements} — Batteries 19 and 20

On Battery 19 there were the following deviations of the above requirements for percent leaking doors (zero deviations), lids (zero deviations), or offtakes (one deviation for 99.65% compliance), 40 percent door leaking after 15 minutes (one deviation for 99.9% compliance) or excess seconds of charging (one deviations for 99.65% compliance). Details are listed in Appendix 2.

On Battery 20 there were the following deviations of the above requirements for percent leaking doors (zero deviation for 100% compliance), lids (zero deviations for 100% compliance), or offtakes (two deviations for 99.29% compliance), 40 percent door leaking after 15 minutes (one deviation for 99.9% compliance) or excess seconds of charging (zero deviations for 100% compliance). Details are listed in Appendix 2.

#### Permit Requirement V.E.1.u - \$2105.21.e.5 Travel Requirements - Batteries 19 and 20

There were 37 deviations on Battery 19 for 97.18% compliance and 33 deviations on Battery 20 for 97.49% compliance of the opacity limitations for the transport of hot coke through the open atmosphere (travel) during the reporting period of this submittal. Details are listed in Appendix 3.

#### <u>Permit Requirement V.E.1.v – Enforcement Order 161 - Install and Operate a COM on</u> Battery 20

There were no deviations to the above requirement.

# <u>Permit Requirement V.E.1.w and x — §2105.21.f.2 Stack Mass Emission Limit — Batteries</u> 19 and 20

There were no documented deviations of the above requirement during the reporting period of this submittal. Battery 19 combustion stack was tested on October 16 and Battery 20 combustion stack was tested on October 17, 2012.

# <u>Permit Requirement V.E.1.y - \$2105.21.f.3 and 4 Stack Opacity Limits - Batteries 19 and 20</u>

There were 60 deviations on Battery 19 for 99.08% compliance and 90 deviations on Battery 20 for 98.64% compliance of the 20% stack opacity limit. There were 28 deviations on Battery 19 for 99.57% compliance and 12 deviations on Battery 20 for 99.82% compliance of the 60% stack opacity limit. Details are listed in Appendix 1.

# Permit Requirement V.E.1.z and aa -\{\}63.72969a\), (b), and (d) - Stack Opacity Limits - Batteries 19 and 20

There were no deviations of the above limitations or requirements during the reporting period covered by this submittal. All notifications were submitted as required.

# Permit Requirement V.E.1.bb and cc - Emissions Limitations Table - Batteries 19 and 20

There were no deviation of the limitations of PM, PM-10, or PM2.5 for Batteries 19 or 20 as listed in Table V.E.1.

On September 14, 15, 16, 17, 18, 19, 20, 21, and 22 an outage of No 2 Control Room caused all coke oven gas available to contain more than 40 gr/100 dscf of H2S resulting in deviations of the SO2 lb/hr limitation. No deviations of the SO2 tons/year occurred.

### Permit Requirement V.E.2 - Testing Requirements - Batteries 19 and 20

There were no deviations of the testing requirements.

### Permit Requirement V.E.3 - Monitoring Requirements - Batteries 19 and 20

There were no deviations of the testing requirements.

### Permit Requirement V.E.4 - Record Keeping Requirements

Out-of-control periods per permit requirement V.4.c and §63.7341 (c)(6) and (8)(iii) and/or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in Appendix 4.

There were no other record keeping deviations.

# Permit Requirement V.E.5.a and b - Coke Plant Operations Data and Stack COM Data

The reports required by Paragraph V.E.5.a and b were submitted as required no later than twenty days after the end of each month. Details are listed in Appendices 5 and 1.

### Permit Requirement V.E.5.c - Battery NESHAP - Batteries 19 and 20

According to the semi-annual compliance certification and reporting requirements of 40 CFR §63.311(d) for the period covered by this report,

No coke oven gas was vented except through the bypass/ bleeder stack flare system of Batteries 19 or 20.

There were no startup, shutdown, or malfunction events for Batteries 19 or 20that required the implementation of §63.310.

Work practices were not implemented under §63.306 at Batteries 19 or 20.

#### Permit Requirement V.E.5.d - Venting of Coke Oven Gas

There were no instances of venting of coke oven gas during the report time period therefore, no reports were required.

#### Permit Requirement V.E.5.e - §63.310(d) Notification

There were no instances of startup, shutdown, or malfunction events for Batteries 19 or 20that required the implementation of §63.310 during the report time period therefore, no notifications were required.

#### Permit Requirement V.E.5.f - §63.310(e) Reports

There were no instances of startup, shutdown, or malfunction events for Batteries 19 or 20that required the implementation of §63.310 during the report time period therefore, no reports were required.

### Permit Requirement V.E.5.g, h, and i - Consent Order Reports

All reports were submitted as required and are included in Appendix 1.

### Permit Requirement V.E.5.j- §63.7336(a) - MACT Stack Requirements

There were no instances where the emission limitations in Conditions V.A.1.t (daily average stack opacity) or V.A.1.u (initial compliance status notification) were not met.

### Permit Requirement V.E.5.k - §63.7336(b) - Periods of Startup, Shutdown, or Malfunction

There were not periods of start-up, shutdown, or malfunction that required the implementation of the Startup, Shutdown, or Malfunction Plan relating to the requirements of 40 CFR Part 63 Subpart CCCCC.

# $\frac{Permit\ Requirement\ V.E.5.l\ and\ m-\ \S63.7340(a)-Initial\ Notifications\ and\ test}{notifications}$

All required notifications required by §63.6(h)(4) and (5), §63.7(b) and (c), §63.8(e) and (f)(4) and §63.9(b) through (h) that apply were submitted by the specified dates.

### <u>Permit Requirement V.E.5.n and o - §63.7341(a) and (b) - Submittal of Quarterly Stack</u> <u>Compliance Reports</u>

Quarterly compliance reports for Battery Stacks 19 and 20 are contained in this report for the period of March 27 through December 31, 2012. All reports were submitted as required.

### Permit Requirement V.E.5.p - §63.7341(c)- Quarterly Stack Compliance Report

Quarterly compliance reports for Battery Stacks 19 and 20 are contained in this report for the period of March 27 through December 31, 2012. All reports were submitted as required.

Out-of-control periods per §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in Appendix 4.

During the period stated above there were no start-up, shutdown, malfunctions or deviations relating to the emission limitation requirements of daily stack opacity.

# <u>Permit Requirement V.E.5.q – §63.7341(d)- Startup, Shutdown, or Malfunction Occurrences</u>

During the period stated above there were no start-up, shutdown, malfunctions or deviations that required the implementation of the requirements in §63.10(d)(5)(ii).

### Permit Requirement V.E.5.r - §63.7341(e) - Reporting of Deviations

All deviations have been submitted as required to the best of our ability.

### Permit Requirement V.E.6 - Work Practices

There were no deviations from the work practice requirements required by Permit Paragraph V.A.6.

#### Permit Section V.F -Batteries 19/20 PEC

# <u>Permit Requirement V.F1.a – §2105.21.e and IP 0052- I005a – PEC Outlet and Pushing Emissions</u>

There were no documented deviations from the particulate mass emission rate from the pushing emission control system device. Testing was not conducted during the reporting period.

During the periods stated above there were 42 instances out 1313 observations of non-compliance on 19 Battery (96.80% compliance) and 25 instances out of 1314 observations on 20 Battery (98.10% compliance) Condition VI.1.a.2 (fugitive pushing emissions or emissions from the pushing emission control system device outlet equal or exceeding an opacity of 20%). The details of these instances along with corrective actions taken are attached in Appendix 6.

#### Permit Requirement V.F.1.b - §2105.21.e.6 - PM-10 SIP contingency

Implementation of the PM-10 SIP Contingency Plan was not required during the reporting period.

#### Permit Requirement V.F.1.c - §2105.03 and IP 0052-1005a - Pushing with the PEC

During the periods stated above there were 22 instances of non-compliance with the above condition (pushing emissions vented through the PEC system baghouse dust collector) that resulted in 928 ovens not being captured. There were 13 instances of reduced efficiency pushing operations at Battery No. 19 and 20 PEC Baghouse. These were detailed in monthly coking process reports submitted as required by Enforcement Order 202.E which are attached in Appendix 5.

There were 2396 instances where the dp was out of range and corrective action was implemented to return the dp to the normal operating range primarily due to the installation of new bags. These are detailed in Appendix 8.

#### Permit Requirement V.F.1.d - §63.7290(a) - Mass Emission Rate from PEC - MACT

During the period stated above, there were no documented deviations with the requirements of  $\S63.7290$  on the pushing emissions control (PEC) devices servicing Batteries 19 and 20. Tested was conducted on October 9-11, 2012.

#### Permit Requirement V.F.1.e - §63.7290(b)(3) - Minimum Daily Fan Amps

There were no deviations for recording the fan amps on 19/20 PEC. There were no other deviations with the requirements of the minimum fan amperes as established during the initial performance test per the requirements of §63.7333(d) for these units. These are detailed in Appendix 7.

# <u>Permit Requirement V.F.1.f - §63.7333(a) - Maintaining Compliance with Mass Emission</u> Rate and Testing

During the period stated above, there were no documented deviations with the requirements of  $\S63.7333(a)$  on the pushing emissions control (PEC) devices servicing Batteries 19 and 20. Tested was conducted on October 9-11,2012.

# <u>Permit Requirement V.F.1.g, h, and i- §2105.03 and IP 0052-I005a - Emissions Limitations Table</u>

During the period stated above, there were no documented deviations with above referenced requirements on the pushing emissions control (PEC) devices servicing Batteries 19 and 20. Tested was conducted on October 9 - 11, 2012.

#### Permit Requirement V.F.2 - Testing

There were no deviations to the testing requirements.

# Permit Requirement V.F.3.a and b – IP0052- I005a – Monitoring of differential pressure drop

There were no deviations to the above referenced monitoring requirements.

#### Permit Requirement V.F.3.c - §63.7291(a) - Pushing Observations

During the period of March 27 through June 30, there were no ineffective corrective actions pushing observations. All of the ovens in service on Batteries 19 and 20 were observed every 90-days according to §63.7291(a)(1). There were no other start-up, shutdown, malfunctions or deviations relating to the pushing work practice requirements of §63.7291(a).

During the 3<sup>rd</sup> and 4<sup>th</sup> quarters, there was one ineffective corrective action on C13 on 20 Battery. All of the ovens in service on Batteries 19 were observed every 90-days according to §63.7291(a)(1). The following ovens were observed outside of the 90-day window due to oven conditions and repairs but were observed on the first daylight push. These ovens are: A16, A17, A18, A19, A20, A21, A22, A23, A24, A25, A26, A27, A28, A29, B1, and B2 on 20 Battery.

There were no other start-up, shutdown, malfunctions or deviations relating to the pushing work practice requirements of §63.7291(a).

#### Permit Requirement V.F.3.d - §63.7291(b) - Alternate to Work Practice

No alternate has been requested.

#### Permit Requirement V.F.3.e - §63.7300(c) - O&M Plan for PEC System

There were no deviations to the above referenced requirements.

# Permit Requirement V.F.3.f, g, and h - §63.7330(a) and 63.7331(a) and (b) - Bag Leak Detection System for PEC System

There were no deviations to the above referenced requirements.

#### Permit Requirement V.F.3.i through k - §63.7331(c), (d) and (h)

There were no deviations to the above referenced requirements.

#### Permit Requirement V.F.3.1 - §63.7331(g) - Volumetric Flow

The above requirement does not apply.

#### <u>Permit Requirement V.F.3.m, n, and o - §63.330(d), 63.7332(a), and (b)</u>

There were no deviations to the above referenced requirements.

#### Permit Requirement V.F.3.p - §63.333(d) - Minimum Fan Amps

There were no deviations to the above referenced requirements.

#### Permit Requirement V.F.3.q - §63.7334(a) - Pushing Observations

See above permit requirement.

#### Permit Requirement V.F.3.r - §63.7335(c) - Inspection of PEC System

There were no deviations to the above referenced requirements.

#### Permit Requirement V.F.4 - Record Keeping

There were no deviations to the above referenced record keeping requirements.

# <u>Permit Requirement V.F.5.a, b, d, and e- IP0052-I005a - Reporting of Instances of Non-</u>compliance and Breakdown Reports

Instances of non-compliance per the above requirement are included in this submittal for the reporting period. There were no deviations regarding breakdown reporting.

#### Permit Requirement V.F.5.c - Coke Plant Operations Data

The reports required by Paragraph V.F.5.a were submitted as required no later than twenty days after the end of each month. The reports for the reporting period are attached in Appendix 5.

#### Permit Requirement V.F.5.e through k - Reporting Requirements

There were no deviations with the above referenced reporting requirements.

#### Permit Requirement V.F.6 - Work Practice Standards

There were no deviations to the above referenced work practice standards.

#### Permit Section V.G – B Battery

#### Permit Requirement V.G.1.a, b, c, d, e, and g - Battery Flare System -B Battery

There were 42 periods of time from May 24 through July 25, 2012 when safety concerns required the B Battery igniter flare to be removed from service while battery maintenance was performed. There were no environmental impacts during any of the periods and all were reported as required.

There were no other deviations of the above requirements relating to the operation of the battery coke oven gas flare system, during the period covered by this submittal.

#### Permit Requirement V.G.1.f - §63.310(a)

There were no deviations to the above reference requirement.

#### <u>Permit Requirement V.G.1.h – Flare or Combustion of High H2S Coke Oven Gas – B</u> <u>Battery</u>

There were no deviations of the above requirements relating to the operation of the battery coke oven gas flare system during the period covered by this submittal on B Battery.

An outage of the No2 Control Room Processes caused B Battery to combust coke oven gas which contained sulfur compounds in excess of 40gr/100 dscf from September 14 through September 23, 2012.

#### Permit Requirement V.G.1.i, and j -§63.304 and 63.306 Requirements - B Battery

There were no deviations of the above requirement (30-day rolling averages or implementation of Work Practices for doors, lids, charging, and offtakes) during the period covered by this submittal.

# <u>Permit Requirement V.G.1.k, l, m, n, and o -\\$2105.21a, b, c, and d Requirements - B</u> Battery

On B Battery there were the following deviations of the above requirements for percent leaking doors (four deviations for 98.59% compliance), lids (zero deviations for 100% compliance), or offtakes (zero deviations for 100% compliance), 40 percent door leaking after 15 minutes (eight deviations for 99.9% compliance) or excess seconds of charging (two deviations 99.29% compliance). Details are listed in Appendix 2.

#### Permit Requirement V.G.1.p -\\$2105.21.e.5 Travel Requirements - B Battery

There were zero deviations on B Battery of the opacity limitations for the transport of hot coke through the open atmosphere (travel) during the reporting period of this submittal.

### Permit Requirement V.G.1.q -§2105.21.f.2 Stack Mass Emission Limit - B Battery

There were no documented deviations of the above requirement during the reporting period of this submittal. Testing was not conducted during the reporting period.

### Permit Requirement V.G.1.r - Enforcement Order 161 - Operation of COM

There were no deviations to the above referenced requirement.

#### Permit Requirement V.G.1.s -\{\gamma2105.21.f.3\) and 4 Stack Opacity Limits - B Battery

There were 54 deviations on B Battery for 99.18% compliance of the 20% stack opacity limit. There were 9 deviations on B Battery for 99.86% compliance of the 60% stack opacity limit. Details are listed in Appendix 1.

# Permit Requirement V.G.1.t and u - §63.72969a), (b), and (d) - Stack Opacity Limits - B Battery

There were no deviations of the above limitations or requirements during the reporting period covered by this submittal.

#### Permit Requirement V.G.1.v – Emissions Limitations Table – B Battery

There were no deviation of the limitations of PM, PM-10, or PM2.5 for B Battery as listed in Table V.G.1.

On September 14, 15, 16, 17, 18, 19, 20, 21, and 22 an outage of No 2 Control Room caused all coke oven gas available to contain more than 40 gr/100 dscf of H2S resulting in deviations of the SO2 lb/hr limitation. No deviations of the SO2 tons/year occurred.

#### Permit Requirement V.G.2 – Testing Requirements – B Battery

There were no deviations of the testing requirements.

#### Permit Requirement V.G.3 – Monitoring Requirements – B Battery

There were no deviations of the testing requirements.

#### Permit Requirement V.G.4 - Record Keeping Requirements

Out-of-control periods per permit requirement V.4.c and §63.7341 (c)(6) and (8)(iii) and/or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in Appendix 4.

There were no other record keeping deviations.

### Permit Requirement V.G.5.a and b - Coke Plant Operations Data and Stack COM Data

The reports required by Paragraph V.G.5.a were submitted as required no later than twenty days after the end of each month. Details are included in Appendices 5 and 1.

#### Permit Requirement V.G.5.c - Battery NESHAP - B Battery

According to the semi-annual compliance certification and reporting requirements of 40 CFR §63.311(d) for the period covered by this report,

No coke oven gas was vented except through the bypass/ bleeder stack flare system of B Battery.

There were no startup, shutdown, or malfunction events for B Battery that required the implementation of §63.310.

Work practices were not implemented under §63,306 at B Battery.

#### Permit Requirement V.G.5.d – Venting of Coke Oven Gas

There were no instances of venting of coke oven gas during the report time period therefore, no reports were required.

#### Permit Requirement V.G.5.e - §63.310(d) Notification

There were no instances of startup, shutdown, or malfunction events for B Battery that required the implementation of §63.310 during the report time period therefore, no notifications were required.

#### Permit Requirement V.G.5.f - §63.310(e) Reports

There were no instances of startup, shutdown, or malfunction events for B Battery that required the implementation of §63.310 during the report time period therefore, no reports were required.

#### Permit Requirement V.G.5.g, h, and i - Consent Order Reports

All reports were submitted as required and are included in Appendix 1.

## Permit Requirement V.G.5.h - §63.7336(a) - MACT Stack Requirements

There were no instances where the emission limitations in Conditions V.G.1.t (daily average stack opacity) or V.G.1.u (initial compliance status notification) were not met.

# Permit Requirement V.G.5.i - §63.7336(b) - Periods of Startup, Shutdown, or Malfunction

There were not periods of start-up, shutdown, or malfunction that required the implementation of the Startup, Shutdown, or Malfunction Plan relating to the requirements of 40 CFR Part 63 Subpart CCCCC.

## Permit Requirement V.G.5.j and k - §63.7340(a) - Initial Notifications

All required notifications required by §63.6(h)(4) and (5), §63.7(b) and (c), §63.8(e) and (f)(4) and §63.9(b) through (h) that apply were submitted by the specified dates. All notifications were made as required.

## <u>Permit Requirement V.G.5.1 and m - §63.7341(a) and (b) - Submittal of Quarterly Stack</u> <u>Compliance Reports</u>

Quarterly compliance reports for B Battery for March 27 through December 31, 2012 are contained in Appendix 4.

## Permit Requirement V.G.5.n - §63.7341(c)- Quarterly Stack Compliance Report

Quarterly compliance reports for B Battery for March 27 through December 31, 2012 are contained in Appendix 4 per the requirements of 40 CFR §63.7341.

Out-of-control periods per §63.7341 (c)(6) and (8)(iii) and/or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in Appendix 4\_\_\_\_.

During the period stated above there were no start-up, shutdown, malfunctions or deviations relating to the emission limitation requirements of daily stack opacity.

# Permit Requirement V.G.5.0 - §63.7341(d)- Startup, Shutdown, or Malfunction Occurrences

During the period stated above there were no start-up, shutdown, malfunctions or deviations that required the implementation of the requirements in §63.10(d)(5)(ii).

# Permit Requirement V.G.5.p - §63.7341(e) - Reporting of Deviations

All deviations have been submitted as required to the best of our ability.

# Permit Requirement V.G.6 - Work Practices

There were no deviations from the work practice requirements required by Permit Paragraph V.A.6.

#### **Batteries B PEC**

#### Permit Requirement V.H.1.a - §2105.21.e - PEC Outlet and Pushing Emissions

There were no documented deviations from the particulate mass emission rate from the pushing emission control system device. Testing was conducted on September 18 -21, 2012.

During the report period there was 1 instance out 1209 observations of non-compliance on B Battery (99.92% compliance) (fugitive pushing emissions or emissions from the pushing emission control system device outlet equal or exceeding an opacity of 20%). The details of this instance along with the corrective action taken are attached in Appendix 6.

### Permit Requirement V.H.1.b - §2105.03- Pushing with the PEC

During the periods stated above there were no instances of non-compliance with the above requirement. There were three instances of reduced efficiency of the baghouse shed. These were reported as required and are detailed in Appendix 5.

#### Permit Requirement V.H.1.c - §63.7290(a) - Mass Emission Rate from PEC - MACT

During the period stated above, there were no documented deviations with the requirements of  $\S63.7290$  on the pushing emissions control (PEC) devices servicing B Battery. Testing was conducted on September 18-21, 2012.

#### Permit Requirement V.H.1.d - §63.7290(b)(3) - Minimum Daily Fan Amps

There were no deviations with the requirements of the minimum fan amperes as established during the initial performance test per the requirements of §63.7333(d) for these units.

# <u>Permit Requirement V.H.1.e – §63.7333(a) – Maintaining Compliance with Mass Emission</u> Rate and Testing

During the period stated above, there were no documented deviations with the requirements of  $\S63.7333(a)$  on the pushing emissions control (PEC) devices servicing B Battery. Testing was conducted on September 18-21, 2012.

### Permit Requirement V.H.1.f - §2105.03 and IP 0052-I006 - Emissions Limitations Table

During the period stated above, there were no documented deviations with above referenced requirements on the pushing emissions control (PEC) devices servicing B Battery. Testing was conducted on September 18-21, 2012.

#### Permit Requirement V.H.2 - Testing

There were no deviations to the testing requirements.

# <u>Permit Requirement V.H.3.a and b – IP0052-006 – Monitoring of differential pressure drop</u>

There were no deviations to the above referenced monitoring requirements.

#### Permit Requirement V.H.3.c - §63.7291(a) - Pushing Observations

There were no start-up, shutdown, malfunctions or deviations relating to the pushing work practice requirements of §63.7291(a).

#### Permit Requirement V.H.3.d - §63.7291(b) - Alternate to Work Practice

No alternate has been requested.

#### Permit Requirement V.H.3.e - §63.7300(c) - O&M Plan for PEC System

There were no deviations to the above referenced requirements.

# Permit Requirement V.H.3.f, g, and h - §63.7330(a) and 63.7331(a) and (b) - Bag Leak Detection System for PEC System

There were no deviations to the above referenced requirements.

#### Permit Requirement V.H.3.i through k - §63.7331(c), (d) and (h)

There were no deviations to the above referenced requirements.

#### Permit Requirement V.H.3.1 - §63.7331(g) - Volumetric Flow

The above requirement does not apply.

#### Permit Requirement V.H.3.m, n, and o - §63.330(d), 63.7332(a), and (b)

There were no deviations to the above referenced requirements.

#### Permit Requirement V.H.3.p - §63.333(d) - Minimum Fan Amps

There were no deviations to the above referenced requirements.

#### Permit Requirement V.H.3.q - §63.7334(a) - Pushing Observations

There were no deviations to the above referenced requirements.

#### Permit Requirement V.H.3.r - §63.7335(c) - Inspection of PEC System

There were no deviations to the above referenced requirements.

#### Permit Requirement V.H.4 - Record Keeping

There were no deviations to the above referenced record keeping requirements.

# Permit Requirement V.H.5.a, b, and d - Reporting of Instances of Non-compliance and Breakdown Reports

Instances of non-compliance per the above requirement are included in this submittal for the reporting period. There were no deviations regarding breakdown reporting.

#### Permit Requirement V.B.H.c - Coke Plant Operations Data

The reports required by Paragraph V.H.5.a were submitted as required no later than twenty days after the end of each month. The reports for the reporting period are attached in Appendix 5.

#### Permit Requirement V.B.5.e through k - Reporting Requirements

There were no deviations with the above referenced reporting requirements.

#### Permit Requirement V.B.6 - Work Practice Standards

There were no deviations to the above referenced work practice standards.

## Permit Section I – Quench Towers No. 1, 5, 7, and B

#### Permit Requirement V.I.1.a - §2105.21.g - Quench Water Quality

The certification contained in this report is based on the understanding that make-up water used for the quenching of coke will be "equivalent to, or better than, the water quality standards established for the Monongahela River by regulation promulgated by the DEP under the Pennsylvania Clean Streams Law, - except that water from the Monongahela River may be used for" such quenching make-up.

## Permit Requirement V.I.1.b - §63.7295(a) - Water Quality

There are no deviations to the above referenced requirement.

### Permit Requirement V.I.1.c - §63.7326(d) - Compliance Status Notification

All initial compliance notifications were submitted previously according to the deadlines in §63.7326(d).

## Permit Requirement V.I.2 - Testing Requirements

There were no deviations to the testing requirements. All required testing was performed in the required time frames.

#### Permit Requirement V.I.3 – Monitoring Requirements

There were no deviations to the monitoring requirements.

#### Permit Requirement V.I.4 - Record Keeping

There were no deviations to the record keeping requirements.

#### <u>Permit Requirement V.I.5 – Reporting Requirements</u>

During the period stated above there were no start-ups, shutdowns, or malfunctions relating to the quenching requirements of §63.7295.

#### Permit Requirement V.I.5 – Work Practice Requirements

There were no deviations to the work practice standards.

## Permit Section J - Alternate Quench Towers No. 6 and 8

Note: The statements below pertain to the period of March 27 through October 29, 2012 for Quench Tower 6 when it became inaccessible and the period of March 27 through November 12, 2012 for Quench Tower 8 when it became inaccessible. The towers were removed from service on as part of the construction project authorized by IP0052 – 1014.

## Permit Requirement V.J.1.a - §2105.21.g - Quench Water Quality

The certification contained in this report is based on the understanding that make-up water used for the quenching of coke will be "equivalent to, or better than, the water quality standards established for the Monongahela River by regulation promulgated by the DEP under the Pennsylvania Clean Streams Law, - except that water from the Monongahela River may be used for" such quenching make-up.

#### Permit Requirement V.J.1.b - §63.7295(a) - Water Quality

There are no deviations to the above referenced requirement.

## Permit Requirement V.J.1.e - §63.7326(d) - Compliance Status Notification

All initial compliance notifications were submitted previously according to the deadlines in §63.7326(d).

### Permit Requirement V.J.2 - Testing Requirements

There were no deviations to the testing requirements. All required testing was performed in the required time frames.

### Permit Requirement V.J.3 - Monitoring Requirements

There were no deviations to the monitoring requirements.

#### Permit Requirement V.J.4 - Record Keeping

There were no deviations to the record keeping requirements.

#### Permit Requirement V.J.5 – Reporting Requirements

During the period stated above there were no start-ups, shutdowns, or malfunctions relating to the quenching requirements of §63.7295.

## Permit Requirement V.J.5 - Work Practice Requirements

There were no deviations to the work practice standards.

# Permit Section K - Desulfurization Plant

## Permit Requirement V.K.1.a - RACT Plan 234

There were no deviations of the above referenced requirement.

## Permit Requirement V.K.1.b - General Opacity

There were no deviations of the above referenced requirement.

## Permit Requirement V.K.1.c, d, e, f, and g-Enforcement Order 200

Except for an outage of the No 2 Control Room from September 18 through 22, which caused a by-pass of the Desulfurization Plant, there were no deviations of the above listed requirements.

## Permit Requirement V.K.1.h - Particulate Matter Emission Limits

There were no deviations of the particulate matter emission limitations.

## Permit Requirement V.K.1.i - SO2 Emission Limits

There were no deviations of the sulfur dioxide emission limitations.

## Permit Requirement V.K.1.j - §2105.21.h - 40 gr/100 dscf H2S Limit in COG

An outage of the No 2 Control Room from September 18 through 22 caused a by-pass of the Desulfurization Plant and therefore deviation from the above requirement.

## Permit Requirement V.K.2 - Testing Requirements

There were not deviations to the above referenced testing requirements. Testing was conducted on June 12, 2012.

#### Permit Requirement V.K.3 - Monitoring Requirements

There were not deviations to the above referenced monitoring requirements.

#### Permit Requirement V.K.4 - Record Keeping Requirements

There were not deviations to the above referenced record keeping requirements.

#### Permit Requirement V.K.5 - Reporting Requirements

There were not deviations to the above referenced reporting requirements. All events that caused the breakdown or unavailability of the equipment listed in Permit Requirement V.K.5.a were reported as required.

The reports required by Paragraph V.K.5.b were submitted as required no later than twenty days after the end of each month.

## Permit Requirement V.K.6 - Work Practice standards

There are no listed requirements in the permit.

## Permit Requirement V.K.7 - Additional Requirements

The engineering evaluation required the above permit requirement was completed and submitted as required.

# Permit Section L - Keystone Cooling Tower

# Permit Requirement V.L.1.a and b - §2105.21.h and 2103.12.a

There were no deviations of the above referenced permit requirements.

# Permit Requirement V.L.1.c - §2105.21.h - Cooling Tower Water Quality

The certification contained in this report is based on the understanding that make-up water used for the quenching of coke will be "equivalent to, or better than, the water quality standards established for the Monongahela River by regulation promulgated by the DEP under the Pennsylvania Clean Streams Law, - except that water from the Monongahela River may be used for" such quenching make-up.

## Permit Requirement V.L.2 - Testing Requirements

There are no requirements in this permit paragraph.

## Permit Requirement V.L.3. - Monitoring Requirements

There are no requirements in this permit paragraph.

# Permit Requirement V.L.4. - Record Keeping Requirements

There are no requirements in this permit paragraph.

# Permit Requirement V.L.5. - Reporting Requirements

There are no requirements in this permit paragraph.

# Permit Requirement V.L.6. - Work Practice Standards Requirements

There are no requirements in this permit paragraph.

# Permit Requirement V.L.7. - Additional Requirements

There are no requirements in this permit paragraph.

# Permit Section M - Coke By-Products Recovery Plant

# <u>Permit Requirement V.M.1.a and b – RACT Plan Requirement to Maintain and Operate Gas Blanketing System</u>

There were no deviations to the above referenced requirement.

## Permit Requirement V.L. 1.c - zz - 40 CFR Part 61 Subparts L and V

See below reporting requirements.

# Permit Requirement V.L. 1.aaa - §61.342(a) - 40 CFR Part 61 Subpart FF

See below reporting requirements.

## Permit Requirement V.L. 1.bbb - Storage Tanks

No deviations to report.

## Permit Requirement V.L. 1.ecc and ddd-IP0052-I004a - Methanol Tanks

No deviations to report.

## Permit Requirement V.L. 1.eee - Reactivation of Storage Tanks

No deviations to report.

## Permit Requirement V.L. 1.fff - Emissions Limitations Table

No deviations to report.

## Permit Requirement V.L. 2 - Testing Requirements

No deviations to report.

## Permit Requirement V.L.3 - Monitoring Requirements

See below reporting requirements.

# Permit Requirement V.L. 4 - Record Keeping Requirements

See below reporting requirements.

## Permit Requirement V.L. 5.a - §61.138(e) - Initial Compliance Notification

All notifications were submitted as required.

#### Permit Requirement V.L. 5.b and c - §61.138(f) and 61.247(b) - Semiannual Report

Monthly audits of equipment in benzene service as defined in 40 CFR, Part 61, Subparts L and V have been conducted in accordance with Environmental Protection Agency (EPA) Reference Method 21, Determination of Volatile Organic Compound Leaks. Results of these monitoring events, including total components monitored and total leaking components identified, can be found in Appendix 9.

An audit of gas blanketing vessels was conducted on April 9, 2012. Seven (7) leaks were discovered during the monitoring event. All leaks were repaired within the allowable time period. No abnormalities were discovered during the monitoring event.

During the October 2012 monitoring event, twelve (12) leaks received initial repairs after five (5) days of detection. §61.242-7(d)(2) requires that an initial repair attempt for a leaking valve must be made within five (5) calendar days of the detection of the leak. All twelve (12) leaks received final repairs within the required fifteen (15) days. All other leaks found during this semi-annual period were repaired and re-monitored within the required 5/15 days. Clairton Works does not have any valves subject to the alternative standards of 61-243-1 or 61-243-2.

Separate from the monitoring of components in benzene service, an audit of gas blanketing vessels was conducted on September 24, 2012. Twelve (12) leaks were identified during the monitoring event. Two (2) leaks were repaired with delay of repair (due to a training malfunction) and two (2) leaks remain on delay of repair (require a process unit shut-down). The remaining eight (8) leaks were repaired within the allowable time period. Abnormalities in tops of Light Oil Storage Tanks 62, 63 and 64 were initially identified by the criteria of high benzene concentrations measured during area gas-tests as administered by US Steel Gas Services, which made the tops of these tanks temporarily unsafe to monitor. These three abnormalities were documented among the twelve (12) leaks identified during the monitoring event.

#### Permit Requirement V.L. 5.d - Alternate Standard

No alternate standard has been requested.

# Permit Requirement V.L. 5.e - §61.357(a)(1), (a)(2), (a)(3), and (c) - Total Annual Benzene Reporting

The Total Annual Benzene Report for the period of March 27 through December 31, 2012 will be submitted on or before April 7, 2013.

#### Permit Requirement V.L. 5.f and g-IP0052-I004a - Methanol Tanks

During the periods stated above there were no documented periods of non-compliance with Conditions V.A.1.a or b (emissions from the storage tanks and operation of the gas blanketing system).

During the periods stated above methanol was stored in Tanks V-400 and V-410 and Tank V-430 contains MEA. The net throughput of the methanol wash system for the period of March 27 through December 31, 2012 was 30,038 gallons.

## Permit Requirement V.L.6 - Work Practices

No deviations to report.

## Permit Requirement V.N.5 - No. 1 and No. 2 Continuous Barge Unloaders

This fulfills the requirements for semi-annual reporting of No. 1 and No. 2 Continuous Barge Unloaders per Permit Requirement V.N.5.

There were no deviations to report.

The annual visible emission observation was performed and recorded. See Appendix 10.

## Permit Requirement V.O.5 - Pedestal Crane Unloader

This fulfills the requirements for semi-annual reporting of the Pedestal Crane Unloader per Permit Requirement V.O.5.

There were no deviations to report.

The annual visible emission observation was performed and recorded. See Appendix 10.

## Permit Requirement V.P.5 - Wharf Crane Unloader

This fulfills the requirements for semi-annual reporting of the Wharf Crane Unloader per Permit Requirement V.P.5.

There were no deviations to report.

The annual visible emission observation was performed and recorded. See Appendix 10.

## Permit Requirement V.Q.5 - Coal Transfer

This fulfills the requirements for semi-annual reporting of Coal Transfer per Permit Requirement V.Q.5.

There were no deviations to report.

The annual visible emission observation was performed and recorded. See Appendix 10.

# <u>Permit Requirement V.R.5 – No. 1 Primary and Secondary Pulverizers and No. 2 Primary and Secondary Pulverizers</u>

This fulfills the requirements for semi-annual reporting of the No. 1 Primary and Secondary Pulverizers and No. 2 Primary and Secondary Pulverizers per Permit Requirement V.R.5.

The compliance certification contained in this application is based on the understanding that 82104.02.e "...enclose all coal feed chutes...", requires the enclosure of all feed chutes to the pulverizers per Paragraph 14, page 7 of the GASP Agreement, "...enclose all feed chutes to the pulverizers..."

There were no deviations to report.

The type of dust suppressant used at all pulverizers is #2 Diesel fuel.

The total amount of dust suppressant applied to the coal at all of the pulverizers was monitored and recorded. See Appendix 11.

## Permit Requirement V.S.5 - Surge Bins and Bunkers

This fulfills the requirements for semi-annual reporting of the Surge Bins and Bunkers per Permit Requirement V.S.5.

There were no deviations to report.

The annual visible emission observation was performed and recorded. See Appendix 10.

## Permit Requirement V.T.5 - Coke Transfer

This fulfills the requirements for semi-annual reporting of Coke Transfer per Permit Requirement V.T.5.

There were no deviations to report.

The annual visible emission observation was performed and recorded. See Appendix 10.

## Permit Requirement V.U.5 - No. 1 and No. 2 Coke Screening Stations

This fulfills the requirements for semi-annual reporting of the No. 1 and No. 2 Coke Screening Stations per Permit Requirement V.U.5.

There were no deviations to report.

The annual visible emission observation was performed and recorded. See Appendix 10.

## <u>Permit Requirement V.V.5 – Coke Screening Station No. 3</u>

This fulfills the requirements for semi-annual reporting of Coke Screening Station #3 per Permit Requirement V.V.5.

There are no deviations to report.

The No 3 Screening was not in operation during the report period. It has been replaced by the No 4 Screening Station.

## Permit Requirement V.W.5 - Boom Conveyor

This fulfills the requirements for semi-annual reporting of the Boom Conveyor (coal pile destocking) per Permit Requirement V.W.5.

There were no deviations to report.

The monthly tons of coal transferred by the boom conveyor operations was monitored and recorded. See Appendix 12.

The monthly visible emission observation was performed and recorded. See Appendix 12.

## Permit Requirement V.X.5 - Coal and Coke Recycle Screening

This fulfills the requirements for semi-annual reporting of Coal and Coke Recycle Screening per Permit Requirement V.X.5.

There were no deviations to report.

The annual visible emission observation was performed and recorded. See Appendix 10.

### Permit Requirement V.Y.5 - Peter's Creek Coke Screening Station

This fulfills the requirements for semi-annual reporting of the Peter's Creek Coke Screening Station per Permit Requirement V.Y.5.

There were no deviations to report.

The annual visible emission observation was performed and recorded. See Appendix 10.

### Permit Requirement V.Z.5 - Light Oil Barge Loading

This fulfills the requirements for semi-annual reporting of Light Oil Barge Loading per Permit Requirement V.Z.5.

The updated documentation file for each marine tank vessel leak test was recorded. See Appendix 13.

There are no deviations to report.

All notifications have been made as required.

## Permit Requirement V.AA.5 – Boiler No. 1

This fulfills the requirements for semi-annual reporting of Boiler No. 1 per Permit Requirement V.AA.5.

There are no deviations to report.

The monthly usage of coke oven gas and natural gas was monitored and recorded. See Appendix 14.

The monthly average H2S content of the coke oven gas was monitored and recorded. See Appendix 14.

## Permit Requirement V.BB.5 - Boiler No. 2

This fulfills the requirements for semi-annual reporting of Boiler No. 2 per Permit Requirement V.BB.5.

There are no deviations to report.

The monthly usage of coke oven gas and natural gas was monitored and recorded. See Appendix 14.

The monthly average H<sub>2</sub>S content of the coke oven gas was monitored and recorded. See Appendix 14.

## Permit Requirement V.CC.5 – Boilers R1 and R2

This fulfills the requirements for semi-annual reporting of Boilers R1 and R2 per Permit Requirement V.CC.5.

There were no deviations to report.

The monthly usage of coke oven gas and natural gas was monitored and recorded. See Appendix 14.

The monthly average H2S content of the coke oven gas was monitored and recorded. See Appendix 14.

## Permit Requirement V.DD.5 - Boilers T1 and T2

This fulfills the requirements for semi-annual reporting of Boilers T1 and T2 per Permit Requirement V.DD.5.

There are no deviations to report.

The monthly usage of coke oven gas and natural gas was monitored and recorded. See Appendix 14.

The monthly average H<sub>2</sub>S content of the coke oven gas was monitored and recorded. See Appendix 14.

## Permit Requirement V.EE.5 – Ammonia Flare

This fulfills the requirements for semi-annual reporting of the ammonia flare per Permit Requirement V.EE.5.

The monthly fuel usage and monthly hours of operation was monitored and recorded. See Appendix 15.

There are no deviations to report.

## Permit Requirement V.FF - Abrasive Blasting

No deviations to report.

## Permit Requirement V.GG - Cold Cleaning Machines

No deviations to report.

## Section VI - Alternative Operating Scenarios

There are no alternative operating scenarios.

	Total	\$ 4,000	\$ 2,000			\$ 1,000					\$ 24,500	total - 33 Total	69	38 \$ 11,400	49			17 \$ 5,100	•			201 \$60,300				
		00	খ	တ	<	N	C)	2	ယ	0	49	****		71	101	ťΩ	ŭ	22	တ	32	έ	419				
Fourth Quarter 2012	December Total	ന	<i>ķ</i>	1~		7		የን	·		47	December Total	39	20	36	က		16	a	~	2	122				
Fourth Q	November	4		<b>***</b>	****			ග <sup>ි</sup>	****	ALALA ALA ALA ALA ALA ALA ALA ALA ALA A	<u>m</u>	November	26	25	24	ঘ	-	žini žini	73.	8	0	10				
	October	· w	m ·	<b>,</b>	- A	0 (	£Λ	_	4	0	<u>a</u>	October	40	26	4	ග	wn	23	ಖ	22	13	187	\$60,300	\$ 24,500	000	\$84,800
Battery	Push & Travel	···· (°	∨ં ¢	n ţ		a f	o ⟨	p (	P 4	B		Stacks	···· {	~ 6	r3 !	<u></u>		చ్:	<u> </u>	8 -		ora:	Stacks	Pushing	Soaking	Total

\$84,800



US Steel Clairton Veo.6.4.7	es .		<u> 11.</u>	PUSHING & TRAV BREAKDOWNS FROM: 10/1/2012	PUSHING & TRAVEL SUMM/ BREAKDOWNS INCLUDED OM: 10/1/2012 TO: 12/31/2012	## ED 1/2012		
REASON: All	REASON; All	REASON; All		REGULATION: All	GULATION: All		AGENCY: All	; All
BATTERY	BATTERY OBSERV.	PREPUSH MAX OPAC.	PUSH MAX OPAC	TRAV MAX OPAC	TRAV PUSH IAX OPAC, PERFORMANCE	NUM PUSH OUT	TRAVEL PERFORMANCE	RAVEL NUM TRAV OUT ORMANCE OF COMP.
0.1	789	0%	45%	50%	99.87%	50	99.24%	90
02	760	%0	50%	%09	99.74%	02	99.34%	O.C.
03	774	0%	%09	60%	99.48%	04	98.84%	60
65	379	%0	80%	35%	99.47%	0.2	99,47%	05
14	382	0%	10%	45%	100.00%	98	39.48%	62
<u>e</u>	383	%°°°	20%	40%	99.48%	02	99.74%	01
19	488	%0	80%	25%	97,13%	44	96,72%	16
82	483	%0	%09	75%	98,96%	92	98.76%	90
œ	377	0%	15%	N.	100.00%	8	100.00%	ij0
0	165	%0	75%	10%	94.55%	50	100.00%	00
TOTAMAX	4980	9%0	80%	75%		39		47
AVERAGE	AVERAGE				98.87%		99.16%	

F		37		·····			~~																
		CY, All		MAGT MAGT PERF	A CO TO COMMON OR	AXEMAGE		100,00%	100.00%	100,00%	480 00%	8/ 827034	100,00%	150.00%	100,00%	100.00%	100 00%	a Carrier	80.05%				
		A	* 40.5	MACT	464554	AVERANCE.		2.07	1,59	1.39	133		1,28	1.67	1.46	1.21	1.00	49 6	76.7			2.03	***************************************
		AGENCY: All		MACT	DAVE OUT		*	0	æ	9	٥		5	n	¢	O	0	9	÷	***************************************			-
	***************************************			MACT	DAYSIN			35	9.2	že.	92	5.59	77.	85	92	95	92	3.7			*****		,
				HIGHOPAC	PERFORMANCE	777	QQ K7%.	SC 1950	29,14%	98,92%	59.51%	100 00%.	W.W.W.W.	39.67%	99.86%	100,00%	33,95%	87,31%	***			98.38%	
<u>କ</u>	12/31/2012	***************************************	***************************************	нісн орас	HOURS IN	-	2.125	2000	4,010	2,116	2,154	2.155	547 4	4,135	2,107	2,128	2,122	784		200	ded'e		- Control of the Cont
S INCL	72. 12.	A	240000000000000000000000000000000000000	HIGH OPAC	HOURS OUT	A	20	8 9	9.	SZ.	7	٥	r	, ,	ŗ	9	<del></del>	114	****	583	200	· vvvvev	A. C.
STACK OBSERVAT BREAKDOWNS INCL	710711701	REGULATION: All		HIGH CPAC	MINUTES	,	14.00	11.67		17,67	0.67	000	433	20.5	2,00	0.00	1,50	2,345,33		2,400,17			MMCCOCCCC COLUMN
	1 1/2/11/2 10/11/2012	REG		гоморис	PERFORMANCE		94.92%	98,93%	4.00	25.64%	99,35%	39.44%	97.71%	30 23%	S. (A) CO	90.50%	29,15%	79,84%				56,10%	
				LOWICPAC	HOURS IN	202000-00000000000000000000000000000000	2,036	2,034	2.00.43	2,04%	2,142	2,143	2.094	2 181	2000	260%	2,105	717		19,502			000000000000000000000000000000000000000
		***************************************	Anna	LOW OPAC	HOURS OUT	200700000000000000000000000000000000000	+69+	\$23	62.3		14	72	49	4	44	75	22	181		582	***************************************		**************************************
		***************************************		LOW OPAC	MINUTES	With the control of t	972.33	765,33	839 00	3	101.83	223.33	524.00	112.60	268.83	2000000	275,33	4,703,00		8,865,00	***************************************	-	000000000000000000000000000000000000000
2		4. All	. 6	KUKER	MATTERY OBSERV		2,145	2,088	2.138		6,130	2,155	2,143	2,110	2 128		7,323	826		20,084			
US Steal Clainton Veo 1.1		REASON: All			ваттену	***************************************	<u>0</u>	77	83	4.5	2	ž	\$2	15	20	c	a	0		Yotai	Average	7	



		٦	T <sub>\$</sub>	T	w l	T		******		T	T	T	T	T					*****	T
200000000000000000000000000000000000000		THE PROPERTY OF THE PROPERTY O	MACTPERF		AVERAGE	8	100.99%	100.00%	100,00%	100 00%		100.00%	100,00%	100.00%	100.00%	100.00%	86,95%			
	All		MACT	1 2 2	AVERAGE		1.74	181	1.76	1.20	4 202	1.47	2.19	1.38	0.84	1,01	7.92			2.08
	AGENCY: All	***************************************	MACT	Pr. 6 100 000	CAYS VOI	nec.	0	0	0	a	6		0	3	0	0	3		onene.	
	1		MACT	0.806.80	F/41 3 (14	har.	407	naz -	280	280	780	2000	8,62	Amy	780	580	37	***************************************		
	***************************************		нісн орас	PEDENBARANDE	The Manager of the Control	49.30%	22.00	00.000	98.54%	99,80%	39.76%	08 JAC	00 MC W	24.47.48 And money	2000000	23,80%	67.31%			98,16%
.U 31/2012			HISHOPAC	MOURS IN			6 433	200	6,497	6,640	6,614	6.538	, 5 GRN	C,255	2 603	a'on	t-07		807,08	******
ERVATI US INCL TO: 12/31/2012	Ā		HIGH OPAC	HOURS OUT		45	169		96	2	16	46.	3%	12		2 3	***	4100	489	***************************************
STACK OBSERVATI BREAKDOWNS INCL I: 3/27/2012 TO: 1	REGULATION: All		нюн орас	MINUTES	7	31.33	85.33		84.00	13.33	22.00	40,33	33.50	10.50	11 81	23.86.0	e grande and a	268365	A Constant	
STACK OB: BREAKDOV FROM: 3/27/2012	REG		LOW OPAC	PERFORMANCE		95,85%	95.02%	63 6463	83.51%	99,04%	98.75%	56.50%	99.08%	98.64%	39.18%	75 9.400		<		35.54%
	***************************************		. LOW OPAC	HOURS IN		6,327	6,216	G 46.6	, + co	6,589	6,547	6,344	6,471	6,529	6,562	717		58.467		
		Aberra Commence Comme	LOWOPAC	HOURS OUT		274	326	428	371	25	83	230	80	06	5.4	181		1,790		Aveluge
Os steel Clairton ' , Veo.1.1	ON: A	**************************************	LOWOPAC	·		2,905,67	3,544,59	4.391.00	20.00	615.83	1,072.17	2,302.00	800.17	848,17	717.67	4,703.60		22,100,17	***************************************	-
	F. A		NOMBER	CBSERV	V	8,601	5,542	6.593		5,653	6,630	6,574	6,531	6,619	6,616	853		60,257		
Clainton Clainton C	KEASON: A	<u> </u>		BATTERY		E	8 8	63	**	77	Ţ	23	et.	20	83	0		Total	\$ 100 K 100 K	Avetage

FROM: 3/27/2012   TO: 12/31/2012   Average   SIP   SIP   Average   SIP   SIP		: 1			000000000000000000000000000000000000000		TOPSE	TOPSIDE OR:	DACI	212						**************************************	
SIP   AVERAGE   AVER						a est	BREAK			2 A A							
SIP   AVERAGE   SIP   SIP   SIP   AVERAGE   SIP   SIP	VEG.U.4:11			3 1			3/27/	2012	TO; 12,	31/2012							
SIP         AVERAGE         SIP         SIP         AVERAGE           OFFTAKE         # LIDS         LID         LID         % OFFT           LIMIT         LEAKING         LEAKING         LID         % OFFT           5.60%         4.60         0.00%         1.60.00%         2.60%         1.68           5.60%         0.60         0.00%         1.60.00%         2.60%         1.60           5.60%         0.60         0.00%         1.60.00%         1.60%         0.59           4.60%         0.00         0.00%         1.60.00%         1.60%         0.74           4.60%         0.00         0.00%         1.60.00%         1.60%         0.74           4.60%         0.00         0.00%         1.60.00%         1.60%         0.74           4.60%         0.00         0.00%         1.60.00%         1.60%         0.74           4.60%         0.01         0.01%         1.60.00%         1.60%         0.43           4.60%         0.12         0.04%         1.00.00%         1.16         0.43           4.60%         0.12         0.04%         1.00.00%         1.16         0.43           4.60%         0.13         <	REASON: All			11		êdn.	KEGULA'	SE SE						AGEN	4	***************************************	
OFFTAKE         # LIDS         LID         LID         % CAFT         GFFTAKE         % LIDS         LID         LID         % CAFT         GFFTAKE         % LID         LID           LIMIT         LEAKING         LEAKING         PERFORM         LIMIT         LEAK-AVG         PERPORM         100.00%         100.00%         100.00%         100.00%         100.00%         100.00%         100.00%         100.00%         100.00%         100.00%         100.00%         100.00%         100.00%         100.00% <td< td=""><td>AVERAGE AVERAGE AVERAGE</td><td>AVERAGE AVERAGE</td><td>AVERAGE</td><td>8 1</td><td>AVERAGE</td><td></td><td>dis</td><td>AVERAGE</td><td>AVERAGE</td><td>dis</td><td>đ</td><td>AVERAGE</td><td>незндр</td><td>NESHAP</td><td>AVERAGE</td><td>NESHAP</td><td>MESHAP</td></td<>	AVERAGE AVERAGE AVERAGE	AVERAGE AVERAGE	AVERAGE	8 1	AVERAGE		dis	AVERAGE	AVERAGE	dis	đ	AVERAGE	незндр	NESHAP	AVERAGE	NESHAP	MESHAP
LAMIT         LEAKING         PERFORM         LIMIT         LEAK-AVG         PERFORM         LIMIT         LEAK-AVG         PERFORM         LIMIT         LEAK-AVG         PERFORM           5.00%         0.00%         1.00.00%         2.00%         1.00         0.50%         0.00%         1.00.00%         1.00         0.50%         1.00.00%         1.00         0.50%         1.00.00%         1.00         0.50%         1.00.00%         1.00         0.50%         0.00         1.00.00%         1.00         0.50%         0.00         1.00.00%         1.00         0.50%         0.00         1.00         0.50%         1.00         0.50%         0.50%         0.00%         1.00         0.50%         0.50%         0.00%         1.00         0.50%         0.50%         0.00%         1.00         0.50%         0.00%         1.00         0.00%         1.00         0.00%         1.00         0.00%         1.00         0.00%         1.00         0.00%         1.00         0.00%         1.00         0.00%         1.00         0.00%         1.00         0.00%         1.00         0.00%         1.00         0.00%         1.00         0.00%         1.00         0.00%         1.00         0.00%         1.00         0.00%			3464 %		% OFFT	OFFTAKE	OFFTAKE	#11DS	% UBS	GFT	CID	% OFFT	OFFTARE	OFFTAKE	% 1.10	an	i i
5 60%         6,00         0,00%         100,00%         2,00%         1,00	LEAKING LEAKING LEAKING	LEAKING LEAKING	LEAKING		LEAKING	PERFORM	LIMIT	LEAKING	LEAKING	PERFORM	Lithat	LEAK AVG	PERFORM	LIMIT	LEAK-AVG	PERFORM	LIMIT
160.60%         5.09%         0.69         0.00%         100.00%         2.00%         1.60	1.28 0.33% 0.28%	8.33% 0,28%	0.28%	, ,	1.05%	100.00%	2.00%	00.0	9,00%	100.00%	2.00%	1.08	109 AGE	3 80%	A ARK	400 000	20 44 6
100.00%         £.Dow,         0.000         0.000%         100.00%         2.50%         0.50%         0.60%         100.00%           100.00%         4.00%         0.00%         1.00%         1.00%         0.59         100.00%         2.50%         0.00%         100.00%           100.00%         4.00%         0.00%         1.00         1.00	1,22 0.43% 0.29%		0.29%		%65.0	168,60%	5.00%	0,00	8,00%	100.00%	2.00%	1,60	100.00%	2.50%	0.00%	100 00%	0.46%
100.00%         4.00%         0.00         0.00%         1.00%         1.00%         0.59         100.00%         2.50%         0.00%         1.00%           99.65%         4.00%         0.00         0.00%         1.00%         1.00%         0.74         1.00.0%         2.50%         0.00%         1.00.0%           99.65%         4.00%         0.00         0.00%         1.00.0%         1.00%         0.24         1.00.0%	1,69 0,50% 0,10%		0.10%		0.90%	100.00%	\$ D0%	0.00	0.00%	100.00%	2.00%	0.80	100,00%	2.50%	0,00%	100.00%	0.40%
100.40%         4.09%         0.00         1.00%         1.00%         0.74         100.00%         2.50%         100.00%         100.00%           99.65%         4.00%         0.00%         1.00%         1.00%         1.00%         0.65         100.00%         2.50%         0.00%         100.00%         1.00%         1.00%         1.00%         1.00%         1.00%         1.00%         0.00%         1.00%         1.00%         0.00%         1.00         0.00%         1.00         0.00%         1.00%         0.00%         0.00%         1.00%         0.00%         0.00%         1.00%         0.00%	0.68 0.51% 0.00%	-	0,00%		0.57%	100.00%	4.00%	0,00	%,00'0	100.00%	1.00%	0.59	100,00%	2.50%	0.00%	100,00%	0,49%
99,65%         4,09%         0,00         1,00%         1,00%         1,00%         0,00%         1,00% <th< td=""><td></td><td></td><td>0.06%</td><td></td><td>0.72%</td><td>160,66%</td><td>4.00%</td><td>000</td><td>0.00%</td><td>100,00%</td><td>1.00%</td><td>0.74</td><td>160,00%</td><td>2.50%</td><td>%50'0</td><td>100.00%</td><td>0.40%</td></th<>			0.06%		0.72%	160,66%	4.00%	000	0.00%	100,00%	1.00%	0.74	160,00%	2.50%	%50'0	100.00%	0.40%
99.65%         5.00%         0.07         0.02%         1.00         1.11         1600.00%         2.50%         0.02%         1.00.00%           99.22%         4.00%         0.01%         1.00.00%         1.00%         1.16         1.00.00%         2.50%         0.01%         1.00.00%           100.00%         4.00%         0.12         0.04%         1.00.00%         1.00%         2.50%         0.01%         1.00.00%           100.00%         4.00%         0.12         0.05%         1.00.00%         1.00%         2.50%         0.04%         100.00%           98.84%         0.01%         0.01%         1.00.00%         0.08%         1.00.00%         0.08%         100.00%         1.00.00%	0.74 0.32% 0.03%		0.03%		0.56%	99.65%	4.00%	9,00	0,00%	100.00%	1.00%	0.65	100.00%	2.50%	0,00%	100.00%	0.40%
98.23%         4.60%         0.01%         0.01%         1.16         1.16         100.00%         2.50%         0.01%         100.00%           100.00%         4.00%         0.12         0.04%         1.00%         1.00%         0.43         100.00%         2.50%         0.04%         100.00%           100.00%         4.00%         0.15%         100.00%         1.00%         0.12         0.04%         100.00%         2.50%         0.04%         100.00%           98.84%         0.01%         0.01%         1.00.00%         0.04%         1.00.00%	2.19 1.46% 0.01%	-	0.51%		1.31%	%59'86	\$ 00%	0.07	0.02%	100.00%	2.00%	1,31	100.00%	2.50%	0.02%	106.00%	0,40%
100.60%         4.00%         0.12         0.04%         1.00%         0.43         190.00%         2.50%         0.04%         100.00%           100.60%         4.00%         0.15         0.05%         1.00%         1.00%         0.12         100.00%         2.50%         0.04%         100.00%           98.84%         0.01%         0.01%         1.00.00%         0.05%         1.00.00%         0.05%         1.00.00%         1.00.00%         0.01%         1.00.00%         1.0	1.22 6.66% 0.63%		0.03%		1,15%	99.29%	4.00%	0.03	9.01%	100.00%	1,00%	1,15	100.00%	2.50%	0.01%	100,00%	0,40%
100.80%   4.50%   6.15   6.05%   100.80%   1.00%   0.12   160.00%   2.56%   6.04%   160.60%	6.60 6.12% 6.01%		6.01%		0.42%	100.00%	4.00%	0.12	0.04%	100.00%	1,00%	0.43	100.00%	2.50%	0.04%	100,00%	9.40%
98.84% 6.01% 6.01% 100.00% 0.85% 100.00% 6.01% 100.00%	0.20 0.17% 0.00%		0.00%		0.13%	100.00%	4.00%	0,15	0,05%	100.00%	1,00%	0.12	100,00%	2,50%	0.04%	169.00%	0.40%
98.84% 6.03% 6.04% 100.00% 0.85% 106.60% 6.04%													***************************************				
	1.15 8.52% 0.68%		0.08%		0,85%	95.84%		9.03%	0.01%	100.00%		0.88%	109,00%		0.01%	100.00%	

US Steel Clairton Veo.6.4.7	ω ,			FROM R.Q.	CHARGE OBSET BREAKDOWNS II FROM: 3/27/2012	F 48 I JDED TO: 12/31/2012	12				
						***************************************					
REASON: All	All	REASON: All			REGULATION: All				AGENCY: All	:Y: All	
		a. V	dis		NESHAP NESHAP	NUMBER OF	R OF SIP	<u>d</u>	30 DAY	NESHAP	30 DAY NESHAP USS
	NUMBER OF	AVG SEC	AVG SEC	AVG SEC	AVG SEC	CHARGES	CHARGING	CHARGING	10G AVG	CHARCING	CHABCINIC
ВАТТЕКҮ		DBSERV   PER OBSERV   PER CHARGE	PER OBSERV PER CHARGE		PER OBSERV PER CHARGE OVER 12 SEC	OVER 12 SEC	PERFORM	LIMIT	SECONDS	PERFORM	LIMIT
7 69		* * *					è				
5	282	25.87	000	32,23	00'0	-	100.00%	75 800.	6.08	100,00%	12 sec.
8	283	29.35	88.0	34.86	00.0	ĕ	99.29%	75 sec.	6.38	100.00%	12 sec
8	282	27.10	0.00	32.57	0.00	80	99,65%	75 sec.	6.00	100.00%	12 spc
33	282	25.52	0.00	25.52	0.00	****	100.00%	55 \$80,	4.78	100 00%	12 spec
14	281	24.37	0.00	24.37	0.00	₹	100.00%	55 sec.	4,58	100.00%	12 sec.
15	282	27,78	00'0	27.78	00'0	n	100.00%	55 sec	5.13	100.00%	12 sec.
5	285	28.54	0.00	34.29	0.00	*	99.65%	75 sec.	6.39	100.00%	12 sec.
20	283	36.72	00.0	30,72	0.00	***	100.00%	55 sec.	5.81	100,00%	12 sec
8	282	36.63	00.0	36.63	0.00	භා	99.29%	55 sec.	6.91	100,00%	12.sec
٥	42	86,44	0,43	86.44	0.43	7.7	54.76%	55 sec.	9.50	88.10%	12 sec.
	1										
TOTANG		2584 29.49	0.00	31.90	00.00	Q9	99.03%		5.85	99.81%	
***************************************	NAT ASSESSMENT ASSESSM		-834 844 844 844 844 844 844 844 844 844	Additional and a second	***************************************			A	de la companya del companya de la companya del companya de la comp		-

	***************************************			<u></u> 3	£				7.														
	:				NESHAP DOOR	Control Control	TORNIA CHICAGO	\$ 1100 F		3.3%	3,3%	3.3%.	4.3%	*****	3.5%	3,2%	3.3%	3.3%	3,2%	420	88.	y/ L	
			X: All		the SHAP	GOOG	SOUND SOURCE SOURCE	Term comment		100.00%	100.00%	180.06%	108 00%	200	0. WW. WW.	100.00%	100.00%	100.00%	100.00%	100.00%	\$00,500%		100,00%
			AGENCY; All		AVERAGE %.	23003 5 5 5 5	THE DAY AND			1.24%	1.48%	1.44%	0.03%	244	b) 7.7.7.	1,51%	6.93%	1.00%	0.71%	0.84%	0.02%		0.85%
					MESHAP	AVG DARLY	% DOOR LEAKS			76 SE . E	1.42%	1.53%	0.78%	4 29.00		1,52%	0.98%	1,63%	0.75%	0.92%	0.16%		1,040%
			***************************************		SIPDOOR	PERFORMANCE	1,8817	-		\$,00%	8.00%	8.00%	8,00%	\$00%		\$.00%	\$.00%	2,00.8	\$,00%	\$.00%	5.00%		
	TO: 12/31/2012			***************************************	dy.	000B	PERFORMANCE	3	A	100.00%	160,00%	%53'66	100.00%	%62.88		%6.5 68 88	100,00%	160.00%	160,00%	%65.88	100,00%		\$3.71%
DOOR SUMIN	OWNS:		ON: All		AVERAGE	%, отнея	(EAKING		ľ	0.33%	8.45%	%23.0	%,000.0	0.62%	70000	0.88%	0.48%	0,63%	£,98.%	0.20%	8.01%		0.19%
100a	BREAKDOWNS ,	****	KEGULATION: All		AVERAGE	% COKE	LEAKING	-		1.12%	1.19%	6.96%	0,00%	1.23%	1 1120	*****	0,63%	0.59%	0.44%	3,550	3,30.0		1.03%
			Y		COKE SIDE	THOOSE CALLY	LEAKS	***************************************	***************************************	204	213	\$76	û	213	240	34.7	108	147	109	\$23	*		2215
					AVERAGE	W PUSH	LEAKING	Ž	3	47.7%	0.84%	0.75%	1.55%	1,18%	1 42K.	***	%13%	1.34%	0.83%	1.39%	7,600		1,00%
	Veo.6.4.7.5.1	***************************************	REGULATION; All	*******	PUSH SIDE	POOR ONLY	LEAKS		17.4	133	153	138	- es	204	244		343	334	205	262	89	***************************************	1852
			3000			% dig	LEAKS	***************************************	202.5	× / / / /	2.45%	6.48%	0.00%	0.33%	0.38%		6.13%	\$.25%	0.13%	0,69%	2,25%		0.30%
***************************************				3	Average	# DOCUMS	9		1 100	2		1.50	1.30	135	1.85		22	673	1,24	25	 22 23		1.68
				***************************************		TOTAL	LEAKS		484		37.5	ğ	<b>\$</b>	440	173	5 7	212	511	ş	1227	٠		વલાક
ē	eo.6.4.7.v. I	Ni. AH	7. Z	***************************************		TOTALS	OBSERV		285		323	3888	*	283	283	686	787	322	283	284	ę.		2597
US Steel	Veo.6.4.7	EACON: AH	1000 N				BATTERY		3	5	25	8	20	£	ž			£	2	æ	Ç		rotaljave 2597



VING LOG - CA RESPONSES EXCEEDANCE -

Clairton Work

FROM:

2/31/2012

12/31/20
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A: 3/27/2012
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rummer		aretrace	***************************************	***************************************	_	(respection	fispect	Affect	Foast	2	***************************************
Management of the last of the	Status	Date	Facility	ua o	Agy	Reason	Турю		Bay Carrets	Steak	Roof Gause
									na n	Оомп	Response
712817	OPEN	1231/12 21:00	DATTERY 1	5	3	Routine	STACK 20%	d	29 Adg => 20%		HEATING: XStack_OverInterforLeakage_Refractory_
712802	OPER	12/31/12 18:00	BATTERY 3	802 A23 A26 A31 804	a	Routine	STACK 20%	65	21 Rdg => 20%		HEATING: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
712785	OPEN	12/31/12 16:06	BATTERY3	421		Routine	STÀCK 20%	dis	21 Rdg => 20%		HEATING: XGaek, Ovensterfollerkage, Refractory,
712761	iii 6	12/21/12 11.00	ВАТТЕНУ 1		3	Routing	STACK 20%	<u>8.3</u>	43 Rdg => 20%		HEATRIG: XStack_OverditeriorLeakage_Refrectory_J
712727	OPEN	12/30/12 23:00	ВАТТЕВУ 1	È	3	Rautine	STACK 20%	a <u>i</u>	18 Rdg => 20%		HEATING: XStack_OveninteriorLeakage_Refractory_
712636	Ni O	12/30/12 14:00	QATTERY 1	160	3	Routling	STACK 20%	£	19 Rdg => 20%		HEATING: KStack_OverinteriarLeskage_Refractory_
712630	OPEN	1230/12/13:00	BATTERY1	1950	3.3	Rautine	STACK 20%	din.	(9 Rdg ⇔ 20%		HEATING: AStack, Overlinterior, eakage, Refractory.
712626	% 6	12/20/12 12;00	BATTERY 1	B10	5	Routine	STACK 20%	dis	40 Rug => 20%		HEATING: XStack, Oveninierior Laskage, Refractory
712884	ОРЕМ	12/20/12 01:00	BATTERY 1	817 818	9	Rouling	STACK 20%	dis	61 Rdg => 20%		HEATING: XSiack_OveninienterLeakage_Reinsctory
2333	Nado	12/29/12 18:00	ВАТТЕКУ	A84	3	Routins	STACK 20%	a Si	34 Rdg => 20%		HEATING: XStatk_Ovenheefed.eskage_Refectory_
712502	OPEN	12/28/12 11:00	ваттеяуч	00	9	Reutinin	STACK 20%		19 Rdg => 20%		HEATING: XStack_OveninteriorLoakage_Refractory_
712414	Nii O	12/28/12 19:00	BATTERY	A04	3	Roulins	STACK 20%	dis	24 Rdg => 20%		MEATING: Astack_OverinteriorLoakage_Refractory
712350	N.	12/28/12 05:00	BATTERY 1	870		Routine	STACK 60%	ds	3 Rdg => 60%		HEATING: XStack_OvminiteriorLeskage_Retractory_

US Steel Cleirton Work	EXCEEDANCE 7 (ING LOG - CA RESPONSES
Veo.6.4.4	FROM: 3/27/2012 TO: 12/31/2012
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GING LOG - CA RESPONSES EXCEEDANCE 7

Olairton Worl

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TO: 12/31/2012	
3/27/2/112	

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Root Cause	Response		HEATING. XStack_Oveninterfort.eakage_Pafractory_			HEATING: XStack_OveninteriorLeakage_Refractory_	HEATING: XStack, Operational Operational Decarity	HEATING. AStack, Overniterior Leakage, Refrectory	HEATING. XStack, Overinterfort, eaksige, Refrectory	HEATING: XStack_OveninteriorLeakage_Refractory_	HEATING: XStack_Oveninterfort_cakage_Refractory_!	HEATING: XStack_OventhloriorLeakage_Refractory_	HEATING: XStack_OverintentorLeakage_Refrectory	HEATING: XStack, OvenintertorLeakage, Refractory, I	HEATING. XStack_OveninteriorLeakago_Refrectory_J	HEATING: XStack_OverinteriorLeakage_Refractory_I
Bresk	Down															
Lvent	Descrip		24 Rug => 20%		o/ Mag #> 20%	37 Rdg ×> 20%	19 Rdg => 20%	19 Rdg => 20%	22 Rdg => 20%	26 Rdg => 20%	25. Hdy wy 20%	23 Rdg w> 20%	42 Rdg => 20%	63 Rdg => 20%	76 Rdg v> 20%	7 Rdg => 60%
	Day.															
2000114	Standard		als:	6)6	5	8. 85	SIP	dis	di\$	Sip	diS	418	dis	SIP	dis	BIS
Trees	rype		STACK 20%	STACK 20%		STACK 20%	STACK 20%	STACK 20%	STACH 20%	5TACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%		STACK 60%
ļ	- 8		Routine	Routino		Routine	Routine	Rouling	Routine	Routine	Rauline	Routins	Routine	Routine	Roudins	Routing
Anv			<b>3</b>	5		23	Ð	æ	-	٦	>	ο	- 5	9	=	3
Overs	***************************************		023	A12		A21	817	A21	A24	831	813	810	A31	A29	A29	A29
Facility			BATTERY 1	BATTERY1		ВАТТЕНУ 3	BATTERY 1	BATTERY3	ваттекуз	BATTERY 1	BATTERY 2	BATTERY 1	ВАТТЕКУ 1	ВАТТЕНУЗ	ваттелу з	BATTERYA
Date			12/28/12 05:00	12/27/12 20:00		12/27/12 17:00	12/27/12 00:00	12/25/12 17:00	12/25/12 06:00	12/24/12 23:00	12/24/12 16:00	12/24/12 13:00	12/24/12 12:00	12/23/12 21/00		12/23/12 20:00
Status			ОРЕК	OPEN		OPEN	RDY1	OPEN		OPEN		OPEN	OPEN			OPEN
Number				712291		712276	712194	711268	711927	711896	711839	711834	711628 (	711776	711714 0	711715
	Status Date Facility Oven Arry Sameon w	Status Date Facility Oven Agy Reason Type Standard Dev Descrip Down	Status Date Fucility Overt Agy Reason Type Standard Day Descrip Down	Status         Date         Facility         Overs         Agy         Reason         Typu         Standard         Day         Doscrip         Doscrip           OPEN         12/226/12.05.00         BATTERY 1.         8350         U         Routine         STACK 20%         SIP         24 Rdg => 20%         Rdg => 20%	Status         Date         Facility         Overs         Agy         Reason         Type         Standard         Dev         Doscrity         Dosms           OPEN         12/28/12.06:00         BATTERY I         B.30         U         Routine         STACK 20%         SIP         24 Rug => 20%         ARG == 20%	Status         Date         Facility         Overs         Agy         Reason         Type         Shandard         Day         Doscrip         Down           OPEN         12/28/12.06.00         BATTERY 1         B130         U         Routine         STACK/20%         SIP         ZA Rug m> 20%         STACK/20%         SIP         ZA Rug m> 20%	Status         Date         Facility         Overs         Agy         Reason         Type         Standard         Day         Doscrito         Doscrito           OPEN         12/27/12.20,00         BATTERY 1         B130         U         Roudine         STACK 20%         Sip         2 Ruig => 20%         Doscrito         Doscrito           OPEN         12/27/12.70         BATTERY 1         A12         U         Roudine         STACK 20%         Sip         67 Ruig => 20%         Rouge	Figures         Date         Facility         Overs         Agy         Reason         Type         Shandard         Day         Door         Down           OPEN         12/22/12.05.00         BATTERY 1         B130         U         Routine         STACK 20%         SiP         S         AL Rug x> 20%         Down           OPEN         12/27/12.00.00         BATTERY 1         A21         U         Routine         STACK 20%         SiP         S         STACK 20%         SIP           RDY1         12/27/12.00.00         BATTERY 1         B17         U         Routine         STACK 20%         SIP         S         SIP         STACK 20%         SIP         S         STACK 20%         SIP         S <td< td=""><td>Part Status         Date         Facility         Overs         Agy         Reason         Type         Standard         Day         Doven           OPEN         12227/3.25(3) 0         BATTERY 1         A12         U         Routine         STACK 20%         SiP         STACK 20%         SiP         STACK 20%         SiP         STACK 20%         SIP         SIP         STACK 20%</td><td>T Status         Date         Facility         Overil         Agy         Reason         Type         Standard         Descrip         Doscrip         Doscrip</td><td>  Status   Date   Frofilty   Over   Asy   Reason   Type   Standard   Day   Down   Brask    </td><td>  Sibility   Date   Facility   Over   Apy   Reason   Type   Sibility   Day   D</td><td>  Shalas   Date   Facility   Over   Agy   Reason   Typu   Structor   Descrip   Door    </td><td>  Strate   Dute   Facility   Over   Add   Reason   Type   Strack 20th   Dute   Dute  </td><td>  OPEN</td><td>  OPEN   1722012 00:00   DATTERY 1   DATE   APT   Prosection   Typo   Struck 2004   Struck 2004   STACK 2004</td></td<>	Part Status         Date         Facility         Overs         Agy         Reason         Type         Standard         Day         Doven           OPEN         12227/3.25(3) 0         BATTERY 1         A12         U         Routine         STACK 20%         SiP         STACK 20%         SiP         STACK 20%         SiP         STACK 20%         SIP         SIP         STACK 20%	T Status         Date         Facility         Overil         Agy         Reason         Type         Standard         Descrip         Doscrip         Doscrip	Status   Date   Frofilty   Over   Asy   Reason   Type   Standard   Day   Down   Brask	Sibility   Date   Facility   Over   Apy   Reason   Type   Sibility   Day   D	Shalas   Date   Facility   Over   Agy   Reason   Typu   Structor   Descrip   Door	Strate   Dute   Facility   Over   Add   Reason   Type   Strack 20th   Dute   Dute	OPEN	OPEN   1722012 00:00   DATTERY 1   DATE   APT   Prosection   Typo   Struck 2004   Struck 2004   STACK 2004

US Steel Clairton Mork	EXCEEDANCE ON CARESPONSES
Veo.6,4.4	FROM: 3/27/2012 TO: 12/31/2012
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Response	
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HEATING: zannithedOperations	

VING LOG - CA RESPONSES EXCEEDANCE 7

Clairton Wor.

FROM

TO: 12/31/2012	
1. 3/27/2012	

1.07.1 12.012   1.02.12.12   1.02.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.12.12   1.02.1	HEATING: XStack_Operational_Operational_DecarbT HEATING: XStack_Operational_DecarbT	
Event Descrip  20 20% 20 20% 20 20% 20 20% 20 20% 20 20% 20 20% 20 20% 20 20% 20 20% 20 20% 20 20% 20 20%	***************************************	-
21 Rdg => 20%  21 Rdg => 20%  21 Rdg => 20%  22 Rdg => 60%  2 Rdg => 20%  28 Rdg => 20%  28 Rdg => 20%	29 Rdg => 20%	**************************************
Sip	dis dis	
STACK 20%	STACK 20% STACK 20%	THE PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAM
Restine Reutine Routine Routine Routine Routine Routine Routine Routine	Rautina 6	CONTRACTOR DESCRIPTION OF THE PERSON OF THE
	3 3	
A24 A24 B20 B20 B20 B20 B20 A30 A30	C02 B28	
BATTERY 2 BATTERY 3 BATTERY 3	BATTERY 1	
Inspect   Date   Date   Date   Date   Date	12/17/12 03:00	
Status Status Status OPEN OPEN OPEN OPEN OPEN OPEN OPEN OPEN	OPEN	
711700 711700 711180 711180 711180 711180 711087 711016 710871 710871		

US Steel	EXCEEDANCE 7 (ING LOG - CA RESPONSES
Veo.6.4.4	FROM: 3/27/2012 TO: 12/31/2012
Darwace	
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EXCEEDANCE 7

US Steel Clairton Work. Veo.6.4.4

ING LOG - CA RESPONSES

FROM: 3/27/2012

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Roof Cause	Response	HEATRIG: XStack_Operational_Operational_Extendo	HEATING: XStack_Operational_Operational_Extende	HEATING; KStack, OveninteriorLeakage, Refractory,	HEATING: KStack: OveninteriorLeakage, Refractory	HEATING: XStack, Oveninterior cakage, Refractory,	HEATING: XSiack: Overliteriori, eakage, Refractory	HEATING: XSlack, OverInterior, cakage, Refractory.	HEATING: XStack_OverinteriorLeakage_Refractory_	HEATING: XStack_OvenhiteriorLeakage_Refractory	HEATING: XStack_OveninteriorLeakage_Refractory_	HEATING: XStack_OverInteriorLeakage_Refractory_	HEATING; XStack_OverrinteriorLeskage_Refractory_
Break	Вомп												
Evont	Descrip	80 Rdg \$\times 20%	12 Rdg ~> 60%	20 Pdg => 20%	15 Rdg => 20%	20 Ritg => 20%	73 Rdg => 20%	36 Rdg w> 20%	38 Rdg w> 20%	22 Rdg => 20%	36 Rdg a> 20%	38 Rdg => 20%	58 Rdg a> 20%
	Dev												
Affect	Standard	diS	dis	dis	dis	dis	dis	SiP	245 245	<u>G</u>	g18	dis	d los
Inspect	Type	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%
Inspection	Reason	Routing	Routine	Routine	Routine	Roulina	Routine	Routine	Routine	Routine	Routine	Routine	Routins
	Agy	- 2	Ð	5	5	Э	Э	Э		9	Э	9	-
	Ovem	200	807	A09	916	424	617 819	A30 B01	829	A30	B12	83.1	A26
	Facility	ВАТТЕКУЗ	BATTERY 3	ваттелу 3	ВАТТЕКУ 1	BATTERY 2	ваттеку 1	ВАТТЕКУ 1.	ВАТТЕКУ 1	ваттеву 2	BATTERY 1	BATTERY 1	BATTERY 2
Inspect	Clafe	12/16/12 11:00	12/15/12 11:00	12/14/12 18:00	12/14/12 14:00	12/14/12 04:00	12/14/12 04:00	12/14/12 02:00	12/13/12 21:50	12/13/12 18,00	12/12/12 21:00	12/12/12 17/00	12/12/12 15:00
Event	Status	OPEN	OPEN	NBdO	OPEN	OPEN	OPEN	OPEN	Nado	OPEN	OPEN	ОРЕМ	МЭОО
Reference	маларег	716453	710464	710233	710285	710232	710231	710224	710164	710153	710008	709979	109968

Vac 6.4.4   FROM: 3227/2012   TC. 123412012   TC. 123412012	US Steel	EXCEEDANCE 7 (ING LOG - CA RESPONSES
	Veo.6.4.4	TO: 12/31/2012
	Carr Artin	
	Response	

EXCEEDANCE T (ING LOG - CA RESPONSES

Clairton Work Veo.6,4,4

FROM: 3/27/2012

	-	***************************************						***************************************			
Koference	_	Inspect	***************************************			mapaction	Inspace	Affect	-	# 1	
dumber	Status	Date	Facility	Oven	Agy	Reason	Type	Standard	Tour.		
							***************************************			USSAID	
703965	OPEN	12/12/12 14:00	ваттену з	1902	э	Routine	STACK 60%	ŝ	1 Retg	Rdy <> 60%	HEATING: XSpack: Ovenhiterian Caskago Refractory.
709963	OPEN	12/12/12 13:00	BATTERY 3	B02	. 5	Routing	STACK 20%	a. G.	22 Rd	22 Rdg a> 20%	HEATING: XStack_OventhioriorLeakage_Refractory
709811	RDY1	12/11/12 11:00	BATTERY3	823	=	Roudine	STACK 20%	\$	48 54	48 Rdg => 20%	HEATING: XSiack_Operational_Operational_FirstCha
709599	OPEN	12/10/12 18:00	BATTERY 1		n	Routine	STACK 20%	diS	24 Bd/	24 Bdn x> 30%.	
7094119	OPEN	12/10/12 02:00	ВАТТЕКУ 3	823	Ð	Routine	STACK 20%	dis	34 R.Q.	34 Rdg => 20%	HEATING: XStack_OveninteriorLeakago_Refractory
703385	Open	12/09/12 18:00	ваттеку 1	7,58	э	Routing	STACK 20%	dis	31 Rdg to	S en 20%	HEATING: KStack, Overnitation Leakage, Refractory.
709328	OPEN	12/09/12 (2:00	ВАТТЕЯУ 3	A28	9	Routing	STACK 20%	d.	26 Rdg	28 Rdy => 20%	HEATING: XSlack, Ovenhiteriori, eakage, Refrectory
709310	ОРЕИ	12/09/12 10:60	Ваттеру 2	811813	5	Routine	STACK 20%	als	29 Rdg	29 Rdg so 20%	HEATING: XStack_OveninteriorLeakage_Refractory_
709311	OPEN	12/09/12 10:00	ВАТТЕНҮЗ	A11	5	Raudina	STACK 20%	8. 35	38 Rdg	38 Rdg => 20%	HEATING: XStack_OveninteriorLeakage_Refractory_
709269	OPEN	12/08/12 03:00	ВАТТЕКУЗ	823	9	Routine	STACK 20%	<u>d</u>	32 Rdg	32 Rdg => 20%	HEATING: XStack_OveninterforLeakage_Refractiory_
709155	OPEN	12/08/12 20:00	ВАТТЕКУ 1	817	2	Routine	STACK 20%	els.	JB Rdg	38 Rdg ×, 20%	HEATING: XSiack_OyenInteriorLeakage_Refractory_
709136	OPEN	12/08/12 (7:00	ВАТТЕКУ 1	801	5	Rautine	STACK 20%	dis	28 Rdg	20 Rdg n> 20%	HEATING: XStack_OveninteriorLeakage_Refractory_
709312	OPEN	12/08/12 02:00	ВАТТЕКУЗ	808	3	Reutine	STACK 20%	dis	20 Reig	20 Rug => 20%	HEATING: XStack_DveninisriorLeskage_Refractory
***************************************		***************************************		**************************************			7				

US Steel	EXCEEDANCE 7 (ING LOG - CA RESPONSES
Clairton Work Veo 6.4.4	2012 TO: 12/31/2012
Regiones	
HEATING, caComment	
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(ING LOG - CA RESPONSES

EXCEEDANCE 7

US Steel Clairton Work Veo.6.4,4

TO: 12/31/2012 FROM: 3/27/zu12

	Roof Cause	Response	HEATING: XStack_OvenintenforLoakege_Refractory_	HEATING. XStack_OvaninteriorLoakays_Refractory_	HEATING: XStock Distribution Consists of Consists	I I I I I I I I I I I I I I I I I I I	HEATING: XStack, Oveninterfort.eskage_Refrectory_	MEATING: XStack_OverhiteriorLeakage_Refractory	HEATING: XStack_OveninteriorLaskaga_Refraciory_	HEATING: XStack_OveninturiorLeakage_Refractory	HEATING: XStack_OveninteriorLeakage_Refractory_I	HEATING: XStack_Oveninteritori.esikage_Retractory_I	HEATING: XSiack_Ovenhitedorf.eakage_Refractory	HEATING: XStack_OveninteriorLeakage_Refractory_!	HEATING: XStack_Operational_Operational_FirstCha
10.00	Was PG	Down		12	IX		=×	ix.	I X	IX	TX	IX	TX.	IX	EX
Frant	National Property of the Control of	Noscub	3 Rdg => 50%	43 Rdg ≈> 20%	28 Rdg => 20%	19 Rdg => 20%	31 Rdg => 20%	7 Rdg => 80%	44 Rdg => 20%	3 Rdg => 60%	54 Rdg w> 20%	14 Rdg avs 60%	39 Rdg er. 20%	44 Rdg => 20%	20 Rdy => 20%
_	200	XaC .													
Affact	Standard	Pipperhane	diS	SiP	SHP	Sip	dis	dis	415	dis	SIP	dis	diS	dis	dis
Inspect	Type		STACK 60%	STACK 20%	STACK 20%	\$TACK 20%	STACK 20%	STACK 50%	STACK 20%	STACK 60%	STACK 20%	STACK 60%	STACK 20%	STACK 20% S	STACK 20% S
Inspection	Reason		Routine	Routine	Routing	Routino	Routine	Routine	Rautine	Routine	Routina	Routine	Routins	Routine	Routine
	Agy		3	э	э	э	>	9	3	э	5	=	2	5	5
	uevo	,	600	817	B20 B22		817	823	822	803	803	BØ3	A28	A04 A06	A13
	Facility	,	ваттекуз	ВАТТЕКУ 1	ваттекуз	ваттекуз	BATTERY 1	BATTERY 3	BATTERY 3	BATTERY 2	BATTERY 3	ваттепуз	ВАТТЕПУЗ	BATTERY 3	ВАТТЕКУ 2
inspect	Date		12/08/12 02:00	12/07/12 19:00	12/07/12 16:00	12/08/12 23:00	12/06/12 20:00	12/06/12 17:00	12/06/12 17:00	12/06/12 11:00	12/06/12 02:50	12/06/12 02:00	12/06/12 01:00	12/05/12 22:50	12/05/12/21:00
Event	Status	***************************************	ОРЕИ	OPEN	OPEN	NEW	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	ОРЕИ	OPEN	OPEN
References	Mumber	·	709013	708876	708852	700007	708519	708598	708597	708577	708558	708556	708553 C	708451	708450 C

Clairfron Work Veo, 6, 4, 4  Corr Action Response  Response	FROM: 3/27/2012 TO: 12/31/2012
tion	12/31
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GING LOG - CA RESPONSES

EXCEEDANCE 7

Clairton Work

TO: 12/31/2012 FROM: 3/27/2012

	Roat Cause	Response	HEATING: XSteck_Operational_Operational_FirstCha	HEATING, XStack_OvenbytoriorLeakage_Refractory_	HEATING: XStack_OverlinertorLeakage_Refractory	HEATING: XStack_Oveninterfort.sakaga_Refractory	HEATING. KStack_OveninteriorLeskage_Refractory	HEATING. XStack_OveninteriorLeakaga_Refractory_,	HEATING: XStack_OverilnteriorLaskage_Refractory	HEATING: XStack, Cvenititation, askaga, Rafractory,	HEATING: XStack, Oveninterfort, aukaga, Refractory,	HEATING: XStack_OveninterforLeakage_Refractory_	HEATING: XStack_OveninteriorLeakage_Refractory_	HEATING: XSlack, OveninterforLenkage, Refrectory,
	Oreass	Down												
Eccons		Оевсир	2 Rdg av 60%	2 Rdg => 60%	19 Rdg => 20%	29 Rdg => 20%	22 Hdg => 20%	47 Rdg w> 20%	26 Rdg => 20%	22 Rdg => 20%	26 Rdg => 20%	48 Rdg w> 20%	34 Rdg => 20%	33 Rdg to 20%
	200	9												
Affect	Standard	7	SP	SP	dis	dis	dis	dis	<u> </u>	dis	diS	dis	AIS	4 13
Inspect	Туре		STACK 60%	STACK 80%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%
inspection	Reason	1	Routins	Routine	Routing	Routing	Rautine	Rouline	Rautine	Routine	Routine	Rouline	Rouline	Routine
	Agy	7	=		2	5	3	э	9	-	=	5	э	5
	Oven		A13	118	B17	A30	824	804 866	A2B	AH	A21	824	808	803
	Facility		ваттеку 2	ВАТТЕЯУ 1	ваттекун	ВАТТЕВУ 1	ВАТТЕКУЗ	ВАТТЕКУЗ	BATTERY 3	BATTERY 3	ваттенуз	BATTERY3	BATTERY 3	ваттепу 2
Inspect	Date		12/05/12 21:00	12/05/12 20:06	12/05/12 20:00	1205/12 19:00	12/05/12 18,60	12/05/12 15,00	12/05/12 14:00	12/05/12 12:00	12/04/12 22:00	12/04/12 19:00	12/04/12 17:00	12/04/12 12:00 BATTERY 2
Event	Status		N D	OPEN	OPEN	ОРЕМ	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Reference	Mamber		708451	766435	708434	703418	708417	708403	700389	708396	708239	708233	768231	708123

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US Steel	EXCEEDANCE 7 (ING LOG - CA RESPONSES
Clainfon Work.	27/2012 TO: 12/31/2012
CorAction	
Response	

VING LOG - CA RESPONSES EXCEEDANCE 7

Clairton Won Veo.6.4,4

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Raference		mspect			_	Inspection	Inspect	Affect	1		
Number	Status	Date	Facility	Oven	Agy	Reason	Tyme	1,		Event	Root Cause
					***************************************				Dev	Овестр	Response
707955	OPEN	12/03/12 20:00	BATTERY 3	628	9	Routine	STACK 20%	dis	23 Rdg e> 20%	7,0	HEATING: XStark, Oveninteriori, eakage, Refractory,
707934	OPEN	12/03/12 11/00	BATTERY 1	B18 B20	-	Routing	STACK 20%	dis	19 Rdg x> 20%	· ·	HEATING: XStack_Ovenintedort.eakage_Refactury_,
707888	OPEN	12/03/12 03:00	BATTERY 2	804	э	Routine	STACK 20%	dis	21 Rdg pp 20%	883	HEATING. XStack_DveniniodorLeakaga_Refractory
707824	OPEN	12/02/12 22:00	ваттеку 1	629	э	Routine	STACK 20%	GS 25	48 Rdg => 20%	2	HEATING: XStack_OverhiteriorLeakage_Refractory
707825	OPEN	12/02/12 22:00	BATTERYZ	A03	-	Routins	STACK 20%	SIP	19 Kdg >> 20%	2	HEATING: XStack_OveninjeriarLeakage_Rofractory
707819	OPEN	12/02/12 21:00	BATTERY 3	824	=	Routine	STACK 80%	Sip	4 Rdg => 60%		HEATING: XSiack_Operational_Operational_Extende
707818	OPEN	12/02/12 21:00	ваттенуз	824	7.5	Routino	STACK 20%	disc	25 Rdg #> 20%		HEATING: XStack_Operational_Operational_Extends
707816	OPEN	12/02/12 18:00	ваттеку з	A31	- 5	Routing	STACK 20%	diS	21 Rdg => 20%		HEATING: XStack_OverninariorLeakage_Refractory_
707814	OPEN	12/02/12 17:00	BATTERY 3	A29	9	Routine	STACK 20%	dis	21 Rdg => 20%		HEATING: XStack_OverninteriorLoakage_Refractory
707863	OPEN	12/01/12 22:00	ваттекун	BOT	=	Routine	STACK 20%	dis	20 Rdg => 20%		HEATING: XStack_Overninterior1.sakage_Refractory_
707510	OPEN	12/01/12 14:00	ВАТТЕКҮ2	808	5	Routing	STACK 60%	dis	2 Rdg => 60%		HEATING: XStack_OveninterforLeakage_Refractory_
707585	OPEN	12/01/12 11:90	ВАТТЕКУ 2		) 	Routine	STACK 20%	e iii	19 Rdq x> 20%		
707539	OPEN	12/01/12 08:00	ВАТТЕКУ 1	Ans	2	Routins	STACK 60%	d18	7 Rdg ×> 60%		HEATING: XStack_OverinteriorLaskage_Refractory_)
		***************************************									

ING LOG - CA RESPONSES EXCEEDANCE T

US Steel Clairton Work. Veo.6.4.4

FROM: 3/27/2u12

	Roof Cause	Rospanse	HEATING. XStack_Overditerfort.cath.ege_Refractory_	HEATING: XStack_Operational_Operational_Extends	HEATING. XStack_Overinterfort.eakage_Refractory_	HEATING: XStack, Oveninterior, pakago, Refractory	HEATING: XSlack_OvenhiteriorLeakage_Refractory_	HEATING. X3tack_Oveninterfort.eakage_Refractory	HEATING: XStack_OveninieriorLeakage_Refractory_)	HEATING: XStrack_OveninteriorLeakage_Refractory	HEATING; XStack_OvenliteriorLeakage_Refractory	HEATING: XStack_Oveninterfort.eakage_Refractory_	HEATING: XStack_OvenimentorLeakego_Refractory_	HEATING: KStack_OveninteriorLeakage_Refractory_,
7 - 0	Dreak	Down												
Karani	6.74578	Descrip	96 Rdg 57 20%	7 Rdg => 60%	33 Rdg s> 20%	34 Rdg a> 20%	62 Rdg w> 20%	26 Rdg ex 20%	22 Rdg e> 20%	21 Rdg to 20%:	20 Rdg => 26%	41. Rdg => 20%	4 Rdg => 60%	24 Rdg w> 20%
		à C												
Affact	K - 1	Standard	S.1P	dis	dis	d IS	alis	SIP	Sip	SIP	AIS.	dis	dis	<u>0</u>
Inspect	Treese	ork.	STACK 20%	STACK 50%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 60%	STACK 20%
hespection	Reason	***************************************	Recuine	Routine	Routine	Routine	Routine	Rauline	Routine	Routine	Routine	Routine	Routins	Routine
	Any	200	3	9	9	Ð	Э	Э	Ξ	5	5	э	=	- 5
	Oven		A0S	B16	822	Bog	817	A05 A07	A30	816 822	811.813	A18 A20	808	807
	Facility		ВАТТЕКУ 1	ВАТТЕКУ 2	BATTERY 2	BATTERY 2	ваттекуз	ВАТТЕВУЗ	BATTERY 1	BATTERY 2	BATTERY 2	BATTERY 2	ВАТТЕКУ 3	ВАТТЕКУЗ
inspect	Dafe	***************************************	12/01/12 06:00	12/01/12 04:00	12/01/12 04:00	12/01/12 03;00	12/01/12 01:60	11/30/12 04:00	11/29/12 20:00	11/29/12 02:00	11/28/12 14:05	11/28/12 11:00	11/28/12 06:00	11/28/12 05:00
Event	Status		OPEN	OPEN	ОРЕМ	OPEN	ОРЕМ	OPEN	ОРЕИ	ореи	OPEN	OPEN	ОРЕК	OPEN
Reference	Mumber		707538	707524	707523	767519	707504	707312	707198	70704\$	706951	706087	706059	700054

US Steel	EXCEEDANCE T (ING LOG - CA RESPONSES
Veo.6.4.4	:3/27/2012 TO: 12/31/2012
Corr Action	
Response	

ING LOG - CA RESPONSES EXCEEDANCE T

US Steel Clairton Work. Veo.6.4.4

FROM: 3/27/2012

Rach Cause	Response		HEATING: XStack_OveninteriorLaskage_Refractory_	HEATRYG: XStack_DveninteriorLeakage_Refractory_	HEATING: XStack_OveninteriorLeakage_Refractary_	HEATING; KStank_OveninteriorLesikage_Refractory_	HEATING: XStack_OveninteriorLaskage_Refractory_	HEATRIG: XSfack_Oveninterior_caskage_Refractory_	HEATING: XStack_OveninteriorLeakage_Refractory_	HEATING: XSlack_OveninteriorLaskage_Refractory_,	HEATING: XStack, Overditerior, eskayo, Refractory,	HEATING. XStack_Overhinarion.eakage_Rofractory	HEATING: XStack_OveninteriorLeakage_Refractory	HEATING: XStack_OverilitaritoiLuakage_Refractory_
Break	Down									12.03488				
Eveni	Descrip		30 Rdg => 20%	26 Rdg => 20%	40 Rdg => 20%	32.Rdg => 20%	19 Ady #> 20%	30 Rdg => 20%	23 Kdg => 20%	2 Rdg => 60%	24 Rdy ws 20%	19 Rdg => 20%	1 Rdg => 60%	23 Rdg &> 20%
	λêα	-												
Affect	Standard	,	Sip	dis	dis	ā.	Sip	SiP	dis	dis	StP	dis	dis	dis
mspect	Yyps		STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 66%	STACK 20%
Inspection	Reason		Routine	Routine	Routine	Routine	Routine	Routing	Routine	Routine	Routine	Routine	Routine	Routins
	Agy		9	Э	9	5	5	-	2	э	Э	=	3	3
	Oven		A24	B08 B12	A23	A30 B01	823	A06.	A21 A23	823	823	B14	822	A24
	Facility		ваттелуз	BATTERY 2	ваттеку 2	BATTERY1	ВАТТЕКУЗ	ВАТТЕКҮЗ	DATTERY 2	BATTERY3	BATTERY3	BATTERY 2	BATTERY 2	ВАТТЕКУ 3
Inspect	Dafe		11/28/12 03:00	11/28/12 02:00	11/27/12 23:00	11/27/12 21:00	11/27/12 08:00	11/27/12 02:00	11/27/12 00:00	11/26/12 10:00	11/26/12 08:00	11/26/12 03:00	11/25/12 05:00	11,25,12 05.00
Event	Status		OPEN	OPEN	OPEN	ореи	OPEN	OPEN	OPEN	ОРЕМ	OPEN	OPEN .	OPEN -	OPEN
Rafarcrice	redenber		706817	706803	705801	708768	768678	706636	906829	706498	705492	706453	708284	766285

	EXCEPANCE 7 (ING LOG - CA RESPONSES
Clairton Work;	
Veo.6.4.4	2012
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Carr Action	
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VING LOG - CA RESPONSES EXCEEDANCE 7

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	Raot Cause	Kesponse	ujuas	HEATING: XStack_OveninictionLeakage_Refrectory_	HEATING: Astack, OveninteriorLeakage, Rafractory.	HEATING: XSlack_OveninteriorLeakage_Refractory_!	HEATING; XStack_OveninteriorLaskaga_Refractory_	HEATING: XStack_Oveninterior_eakage_Refractory_	HEATING: XStack_OventhreviorLeakage_Refractory_	HEATWG: XStack_OveninterforLeskage_Refractory_	HEATING: XStack, Oveninteriori, sakage, Refrectory J	HEATING: XStack_Oveninterfort_eakage_Refractory_	HEATING: XStack_Oveninteriori.cakaga_Refractory_	HEATING: KSiack: OvenInterforLeakage, Refractory
,	Down													
77772	Descrip		21 Rdg to 20%	27 Rdg en 20%	22 Rdg -> 20%	25 Adg ex 20%	18 Rdg <> 20%	24 Rdg av 20%	33 Rdg w> 20%	24 Rdg => 20%	1 Rdg => 60%	27 Ady => 20%	19 Rdg *> 20%	29 Hdg => 20%
	åå													
Affect	Standard		d.	gis.	dis	SiP	dis	Sip	SIP	dis	dis	dis	dis	dig
hispect	Type		STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 20%
Mspection	Reason		Routine	Routine	Rautine	Routine	Rautine	Raufins	Routino	Rouline	Rouline	Routine	Routine	Routhe
_	Agy		7	9	٦	Э	5	9	7	э	7	9	5	э
	Oven		754	92G	833	BD4	AOB	A21	A15	A30	BB	831	B23	803
	Facility		ваттепу з	ваттевкз	ваттеву 3	ВАТТЕПУ 2	BATTERY 3	BATTERY 2	BATTERY 2	BATTERY 1	ВАТТЕВУ 1	ВАТТЕКУ 1	ВАТТЕВУЗ	BATTERY 3
Inspect	Date		11/24/12 22:00	11/24/12 19:00	11/23/12 07.00	11/22/12 23:00	11/22/12 23:00	11/22/12 22:00	11/22/12 21:00	11/22/12 20:00	11/22/12 14:00	11/22/12 14:00	11/22/12 05:00	11722/12 03:00
	Status		OPEN	OPEN	ОРЕМ	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	ОРЕМ	OPEN
Reference	Mumber		705230	706210	786912	705913	765934	705930	705927	705920	705877	705076	705826	705809

US Steel	EXCEEDANCE T (ING LOG - CA RESPONSES
Clariton Work, Veo.6.4.4	7/2012 TO: 12/31/2012
Cor Action	
Response	

EXCEEDANCE 7

US Steel Clairton Work, Veo.6.4.4

ING LOG - CA RESPONSES

TO: 12/31/2012 FROM: 3/27/2012

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5 4	Roof Cause	Response	HEATING	XStack_OvertinteriorLeakage_Refractory_	HEATING, XStack_OveninteriorLeskage_Refractory_,	HEATING: XStack_OveninteriorLeskage_Refractory_,	HEATING: XStack_Operational_Operational_Extende	HEATING: XStack_Operational_Operational_Extende	HEATING; XStack_OverinteriorLeskage_Refractory_1	HEATING: XStack_OveninteriorLeakage_Refractory_	HEATING: XStack_Operational_Cytends	HEATING: XStack_OveninteriorLeakage_Refractory_	HEATING: XStack_OveninteriorLeakage_Refractory	HEATING: XStack_OveninteriorLeaksgn_Refractory_	HEATING: KStack_OveninteriorLeakege_Refractory_: Walls
- Q	Dream	Down		12.0347s			12.0345s								
Event	, , , , , , , , , , , , , , , , , , ,	Descrip		10 Rdg => 60%	23 Rdg ws 20%	61 Rdg a> 20%	10 Rdg as 60%	33 Rdg **> 20%	23 Rdg => 20%	21 Rug => 20%	30 Rdg => 20%	49 Rdg as 20%	40 Rdg => 20%	26 Rdg => 20%	49 Rdy => 20%
	3	nev													
Affect	Characterist	Distribute		e e	d is	dis.	dis	als	48	dis	dS	SIP	SiP	dis	S)##
Inspect	Type	236		STACK 60%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%
haspaction	Reason			housine	Routine	Routine	Routins	Routine	Rousine	Routine	Routine	Routine	Routine	Rautine	Routinu
	Agy			2	Э	5	ъ	э	>	-	-	5	Э	=	=
	Oven		900	8	928	H04	A24	A24	A08	823	703	AOB	817	807	AB3
***************************************	Facility		BATTEBV		BATTERY 1	BATTERY 2	ваттену 2	BATTERY 2	BATTERY 3	ваттеку з	BATTERY 3	ВАТТЕКУ 3	ВАТТЕКУ 1	BATTERY 2	ваттену 1
baspect	Date		14/22/12 64:00		11/22/12 01,00	11/21/12 22:00	11/21/12 11:00	11/21/12 11:00 BATTERY 2	11/21/12 07:00	11/20/12 14:00	11/20/12 12:60	11/20/12 01:00	14/19/12 22:60	11/18/12 13:00	11/18/12 05:00
Event	Status	, , , , , , , , , , , , , , , , , , ,	REMO		OPEN	OPEN	OPEN	OPEN	,	OPEN	OPEN	ОРЕМ	ОРЕИ	OPEN	OPEN
Reference	Mumber	4	705772		705771	705726	705536	705635	705594	705453	785424	705339	705334	785146	705143

	EXCEPDANCE 7 VING LOG - CA RESPONSES
Clairton Work	
Veo.6.4,4	FROM: 3/27/zu12 TO: 12/31/2012
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AING LOG - CA RESPONSES **EXCEEDANCE T** 

US Steel Clairton Work. Veo.6.4.4

FROM: 3/27/2012

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Reat Cause	Response	HEATING: XSrack, Oveninteriori, esskage, Refractory.	HEATING: AShack, Overlinks for askage, Refractory,	HEATING: KSlack, Oveninterior, sekape, Refractory,	HEATIMS. XStack, Ovenhiterfort, cafeage, Refractory.	HEATING: XStack_OvonhiteriorLeakage_Refractory_	HEATMG: XStack_Ovenhieriori.eskays_Refractory	HEATING: XSlazk, Oveninkniori sakage, Refractory,	HEATING: XSinck, Overinterior Leakage, Refractory,	HEATING: XStack, Oveninteriori, cakage, Refractory, .	HEATING: XBrack, Ovenhiteriori, caltage, Refractory.	HEATING: XStack, Ovenhiteriori eakage, Refractory,	HEATING: XSlack_OverinteriorLaskage_Refractory_
Break	Down												
Eyent	Descrip	34 Rdg => 20%	53 Rdg ≈> 20%	38 Rdn => 20%	26 Adg => 20%	1 Rdg => 60%	29 Rdg av 20%	56 Rdg => 20%	66 Rdy => 20%	39 Rdg => 20%	26 Rdg w> 20%	4 Rdg w> 60%	30 Ady => 20%
	ABQ.												
Affect	Standard	dis	<u>a</u>	dis	dis	diss	dIS	dis	dis	<u>a.</u>	ĝ,	dis	al (5
Inspect	Туре	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 60%	STACK 29%
inspection	Reason	Rouling	Reuline	Reutine	Rautine	Routine	Routiine	Rautitro	Rautine	Routline	Routine	Routine	Routine
	Agy	3	3	5	Э	9	3		5	9	9	9	Э
	Oven	91.0	Ad3	£	A02	A11	ş	818 818	827	, VO3	5	ā	81.63 81.63
	Facility	BATTERY 2	BATTERY 3	BATTERY	ваттекул	ваттекуз	BATTERY 2	BATTERY 1	BATTERY1	BATTERY 1	BATTERY 1	BATTENY 1	BATTERY 2
inspect	Dafe	11/18/12 03:00 BATTERY 2	11/18/12 01:00	11117/12 22:00	11117712.18,000	THATTERY 3	11/17/12 11:00 BATTERY 2	11/17/12 11:00	1417712 07:00. BATTERY 1	1417/12 DAIGO BATTERY 1	14/17/12 02:00	14/7/12 02:00 BATTERY 9	11/17/12 01:00
Event	Status	Nado Oben	Navo		ži Š	2 2 3	7. 2. 2. 0.	S S S S S	Waado O	Nado	Z A O	OPEN	Nii do
Reference	Number	765135	785134	705133	705138	708129	785128	705124	705123	705122	705120	706121	765118

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	Root Cause	Response	HEATING: XStack_OveninteriorLeakage_Refractory_	HEATING: XStock_OveninteriorLeakage_Refractory	HEATING: XStack, Overdated ort. sakinge, Refractory,	HEATING: XStack_OveninteriorLeakage_Refractory	HEATING: XSiack_OveninteriorLeakange_Refractory_	HEATING: XStack_OveninteriorLeakago_Refractory_	HEATING. XStack: OvenintenerLeakayo, Refractory	HEATING: XStack_OverlateriorLaskage_Refractory_	HEATING: XStack_Overlinkrion.cakego_Refrectory	HEATHG: XStack_OvonInteriorLoakage_Refrectory	HEATING: XStack_OveninteriorLoakage_Refractory_
ONSES 2	Break	Вожл											
VING LOG - CA RESPONSES 2 TO: 12/31/2012	Event	Descríp	62 Rdg => 20%	29 Rdy => 20%	19 Rdg => 20%	11 Rdg => 60%	37 Rdg ≈> 20%	108 Rdg => 20%	62 Rdg => 20%	5 Rdg => 50%.	67 Pdg => 20%	1 Ruly av 60%	6 Rdg => 60%
25. 5		à											
EXCEEDANCE T (	Affect	Standard	d: SS	dis	G.	dig	dis	ŝ	S.	h	dis	9 87	Ş
	inspect	Type	STACK 20%	STACK 20%	STACK 20%	STACK 80%	STACK 20%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 60%	STACK 60%
	Inspection	Reason	Routing	Routine	Routine	Routine	Routins	Rouffits	Routine	Routine	Routine	Routing	Routine
		Y83	9	5	9	3	=	5	3	7	9	9	э
		Oven	Adis	A04	828	ž.	Ais	718	ss ca	gos	A20	A30	A28
		Facility	BATTERY 3	BATTENY3	BATTERY 1	BATTERY 1	BATTERY 2	ваттем 1	ВАТТЕКУ 1	BATTERY 1	ваттекуз	ваттеву	BATTERY 1
	inspect	Date	1017/12 01:00 BATTERY 3	11/17/12 00:00	11/16/12 23:00	11/16/12 22:00	11/18/12 22:00	11/18/12 22:00	11/16/12 21:00	11/16/12 21:00	11/16/12 20:00	11/16/12 20:00	11/16/12 19:00
	Event	Status	Naco	OPEN	Onek	OPEN	Na ado	Na ad O	OPEN	Nii do	OPEM	OPEN	OPEN
US Steel Clairton Work Veo.6.4.4	Reference	Number	705119	705117	705115	705113	705114	705112	705110	765111	705108	705109	705107

HEATING: XStack OverditteriorLeakage Refractory

25 Rdg => 20%

02 072

STACK 20%

Routine

3

A.28

BATTERY1

11/16/12 19:00

OPEN

705196

EXCEEDANCE 7 (ING LOG - CA RESPONSES) FROM: 9/27/2/11/2 TO: 42/2/2/2015									
US Steet Clairton Work, Veo.6.4,4	Corr Action	Response							

							***************************************					******	***************************************		
		C 2015 C 2015	Response	HEATING: XSiack_OverimeriorLeakage_Refractory	HEATING. XStack_OverintedorLeakage_Refractory_	HEATING: XStack_Overnitterfort.enkage_Refractory_I	HEATING: XStack: Oveninterior, enkage, Refractory, I	HEATING: XStack Overinterior eskage Refractory.	HEATING. XStack, Oventnierfort, sakaga, Refractory.	HEATING: XStack, Overlinterior, caskage, Refractory	HEATING: XStack_OvenintedorLaskaga_Refractory_1	HEATING: XStack, Ovenhiteriort, askage, Refractory,	HEATING: XStack, OverlateriorLeskage, Refractory	HEATING: XStack "OverIntoriot.eekaga "Refractory!	HEATING. XStack, OveninteriorLeskage, Refractory, I
ONSES	લ	Beech	Down												
ING LOG - CA RESPONSES	TO: 12/31/2012		Check	5 Rdg #> 60%	29 Rdg to 20%	30 Rdg => 20%	38 Fdg av 20%	24 Rdg => 20%	3 Rdg => 60%	19 Rdg => 20%	61 Rdg => 20%	38 Rdg => 20%	1 Rdy => 60%	23 Rdg to 20%	69 fdg => 20%
Z	712		i s												
EXCEEDANCE T	FROM: 3/27/2012	9.57.4	Standard	4 13	dis	dIS	dis	dis	diS	diS	dis	diS	AIS	dis	dis
EXCE	Ī	3 4	Type	STACK 60%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 20%
			Reason	Routine	Routine	Routing	Routins	Routine	Routins	Routins	Routine	Routine	Routing	Routine	Reutine
			Agy.	9	5	9	3	=	3	Э	=	Э	3	э	- 5
			Oven	A23	l sa	600	A03 A05	108	5004	B04	908	A30	A33	908	A24
			Facility	DATTERY3	ваттепу з	BATTERY 2	алтекүг	BATTERY 2	BATTERY	ваттеку 1	ваттену 2	BATTERY 2	BATTERY 1	BATTERY 2	BATTERY 1
			Date	11/16/12.14:00	11/16/12/14:00	11114/12 21:00	11/13/12 21:60	11/13/12 13:00	11/13/12 10:00	14/13/12 10:00 BATTERY 1	11/11/12 02:00	11/10/12 13:00	11/10/12.11:00	11/10/12 03:00	11/03/12 12:00
Work	4		Status	OPEN	NOPEN	OPEN	m do	18 E	na <sub>d</sub> o	ОРЕМ	OPEN	Nado	Maco	OPEN	OPEN
US Steel	Veo.6.4.4		Number -	705105	725164	704070	703845	703764	703742	703741	703243	703434	703114	703861	702599

EXCEEDANCE T' 1NG LOG - CA RESPONSES FROM: 3/27/2012 TO: 12/31/2012	
EXC	Response Carr Action

		_			<i></i>				H			***************************************					
			Root Cause	Response	HEATING: XStack_OverhiteitarLeakage_Rofractory_I	HEATING: XStark_OverliteriorLeskage_Reflectory	HEATING: XStack_Oversitivatoric-sakega_Refractory_	HEATING: XStack_OvenhiteriorLeabage_Refractory_,	HEATING: XStack_OverinteriorLeakaye_Refractory_,	HEATING. XStack_OvouInteriorLeskage_Refractory_	HEATING: XSisck_Operational_Operational_DecadaT	HEATING: XStack_Overinterfort.eskaga_Refractory_!	NEATING. XStack_OvenhiteriorLoakage_Refractory	HEATING: XStack_Operational_Coerational_DecarbT	nEATING. Asiack Oveninterior Laskago Refractory	HEATING: XStack_Oveninterfort.cakage_Refrectory_	HEATING: XSizck_OveníntariorLoakaga_Rofractory_
ONSES			Break	Down													
ING LOG - CA RESPONSES	TO: 12/31/2012	<u> </u>	Event	Descrip	1 Rdg n> 60%	19 Rdg av 20%	40 Rdg => 20%	23 Rdg> 20%	19 Rdg ×> 20%	44 Rdg w> 20%	47 Rdy => 20%	49 Rdg av 20%	23 Adg => 20%	63 Rdg => 20%	25 Rdg => 20%	20 Rdg => 20%.	25 Rdg 🗢 20%
ĮŽ	12		7	À C													
EXCEEDANCE T	FROM: 3/27/2u12		Affect	Standard	a a	dis	dis	dis	dis	dis	dis	dis	dis	Sip	dis	dis	SIP
EXCEE	缸		Inspect	Typs	STACK 60%	STACK 20%	STACK 20%	STACK 25%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%
	·		Inspection	Roason	Routine	Routing	Rouline	Routine	Routine	Routine	Routine	Routine	Routine	Routine	Routine	Routine	Rousine
				Agy	٦	э	5	Þ	3	>	æ	9	- 5	э	9	9	э
				Oven	Aos	A43	5	A21	ā	26	A23	24.8	801 828	808 816	A20	A05	ä
				Facility	ВАТТЕМУ 3.	ваттеку з	BATTERY 1	BATTERY 1	BATTERY	ВАТТЕКУ 1	BATTERY 1	BATTERY 1	BATTERY 1	BATTERY 3	BATTERY 2	ваттекуз	BATTERY 2
			inspect	Cate	11/88/12 02:00	11/06/12 15:00	11/05/12 12:00	11/03/12 12:00	11/03/12 00:00	11/02/12 01:00	10/31/112 11/30	10/31/1202:00	10/31/12 00:00	10/28/12 21:00	10/30/12 15:00	10/30/12 14:08	10/30/12 14:00
	Works		Event	Status	OPEN	OPEN	OPEN	RDY1	ž	OPEN	RDYI	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
US Steel	Veo.6.4.4		Reference	Namher	702464	702050	701791	781311	761266	700076	700192	8808083	699346	599843	639651	693618	699517

EXCEEDANCE T 'ING LOG - CA RESPONSES FROM: 3/27/2/112 TO: 40/24/2003				
me and the	Corr Action Response	HEATIMG: caSturySpray	HEATHWG; e.a.Comment	

EXCEEDANCE T' (ING LOG - CA RESPONSES

TO: 12/31/2012

FROM: 3/27/2012

US Steel Clairton Work Veo.6,4,4

Root Cause	Response	HEATINGS XStack_OveninteriorLeaketje_Refractory_	HEATING: XStack Oveninteriorkeskage Reflectory	HEATING. XStack_OveninteriorLeakago_Rafractory	HEATING: XStack_Operational_Corrational_Extends	NEATING: XStack_Operational_Operational_Decarb1	HEATING: XStack OveninteriorLeakage_Refractory_	HEATING: XStack_Operational_Operational_DecarbT	HEATING: XStack_Oveninterior.cakage_Refractory_	HEATING: XSisck, Overhistick, eakags, Refractory,	HEATING: XStack_OvenhiteriorLeakays_Refractory_!	HEATING: XStack_OvenintationLeakage_Refractory_	HEATMG: XStack_OveninteriorLeskage_Refractory	HEATING: XStack_OverlintedorLeakatja_Refractory_I
Breck	Dawn													
Eve43	Descub	22 Rdg ar> 20%	21 Rdg => 20%	55 Rdg => 20%	2 Rdy => 60%	72 Rdy => 20%	19 Rdg => 20%	38 Rdg av 20%	22 Rdg => 20%	31 Rdg are 20%	28 Rody == 20%	36 Rdg => 20%	4 Rdy => 60%	32 Rdg => 20%
	) Dev													
Affect	Standard	dis	E SS	d. SS	S.	dis	<u>a</u> iö	Sip	e IS	413	ds	dig.	Si Si	<u>d</u>
mspect	Type	STACK 20%	STACK 20%	STACK 20%	STACK 80%	STACK 20%	STACK 20%	STACK 20%	STACK 60%	STACK 20%				
Inspection	Reason	Reunfine	Routine	Rouffing	Roulina	Routine	Routine	Routine	Routine	Rautins	Routine	Routine	Routine	Routine
	Agg	3		7	-	9	3	3	7	2	=	3	5	3
	Oven	828	ä	B30	82.8	624	A21	B02	812	A11 A05	***************************************	Ę	ğ	812
	Facility	BATTERY 1	ВАТТЕЙУ	BATTERY 1	BATTERY 1	BATTERY 1	ваттепу 1	BATTERY 2	ваттекуз	BATTERY3	BATTERY 3	BATTERY 2	BATTERY 2	ваттеку з
Inspect	Date	10/30/12 12:00	10/30/12 11/06	10/29/12 11:08	10/24/12/10:00	10/29/12 10:00	10/28/12 05:00	10/28/12 23:00	10/28/12.17/20	10/28/12 12:00	10/28/12 06:09	1026/1223:00	10/26/12 23:00	1028/12 17:00
Event	Status	ИЗАО	O PEN	OPEN	Opper	OPEN	OPEN	Nado	OPEN	OPEN	WOX.	y u e o	OPEN	73
Reference	humber	7.2563	99524	5,950,73	693061	693050	699010	698894	698797	688717	698543	838175	698177	838378

	,
US Steel	
	FROM: 3/27/2012 TO: 12/31/2012
Partie Artista	
Response	
HEATING: coceramicWelst	

ING LOG - CA RESPONSES EXCEEDANCE T

US Steel Clairton Work, Veo.6.4.4

TO: 12/31/2012 FROM: 3/27/2012

			·	~~~~~	·····			***							
Dans Control	45001 CAUG	Hespanse	HEATING: XStack_Oveninteriori.cokage_Rofractory	HEATING; KStack, Overditerical, cakage, Refractory,	HEATING; XStack_OverinteriorLoskage_Refractory	HEATING. XSkack, OveminteriorLeakage, Rafractory	HEATING: XStack_OveninteriorLeakage_Refractory	HEATING: XStack OveninteriorLeakage Refractory_	HEATING: XStack, OveninteriorLeakage, Refractory, J	HEATING: XStack_OvenhieriorLeakage_Refractory_i	HEATING: XSlack: Operational_Operational_Waitingf	HEATING: XScack_OveninteriorLeakage_Rofractory_!	HEATING: XStack: Oveninterior, eakage_Refractory_	HEATING: XZtack, Operational, Operational, Decarit	HEATING: XSIRCK_Operational_Operational_Decar6T
Break	Down	1000													
Event	Bescho		27 Kdg => 20%	3 Rdg => 68%	48 Rdg => 20%	3 Rdy er 60%	31 Adg 4> 20%	8 Rdg => 60%	100 Rdg ~ 20%	24 Rdy => 20%	45 Rdg => 20%	1 Rdg a> 60%	25 Rdg => 20%	7 Rdg a> 50%	31 Rdg wo 20%
	å														
Affect	Standard		dis	diS	d)S	SIP	dis	SiP	dis	S.P.	ଧାର	Sip	. dis	diS	SIP
) pspeci	Yypa		STACK 20%	STACK 60%	STACK 20%	STACK 60%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 50%	STACK 26%
Inspection	Reason		Routine	Rossiine	Routine	Routine	Routine	Routine	Routine	Routine	Routine	Routine	Routine	Routine	Routine
	A9.		σ	⊃	3	э	Э	. 5	Э	-	3	-	>	Э	ο
	Oven	-	908	Š	A02 A04	A11	628	B24	B28 B24	817	C.B.T.	A19	803	818	B16
	Facility		BATTERY 2	BATTERY 3	BATTERY 3	ВАТТЕВУ 2	ВАТТЕРУЗ	BATTERY 1	BATTERY 1	BATTERY 1	BATTERY (	BATTERY 2	BATTERY 1	ваттеяуз	ваттепуз
inspect	Date	200000000000000000000000000000000000000	10/26/12 00:00	10/26/12 00:00	16/25/12 60:00	10/25/12 21:00	1022/12/19:00	10.25/12.18:00	10/25/12 18:00	10/24/12 23:00	10/24/12 22:00	10/24/12 22:00	10/24/12 21:00	10/24/12 16;00	10/24/12 18:00
Event	Status		OPEN	ž	ROYI	OPE*€	Мано	OPEN	OPEN	Nado	OPEN	OPEN	OPEN.	OPEN	N EN
Reference	Number		697841	697843	697842	697793	637766	697741	697740	697486	697479	697480	697471	697418	697417

US Steel Clairton Work.	EXCEEDANCE T ING LOG - CA RESPONSES
Veo.6.4.4	FROM: 3/27/2012 TO: 12/31/2012
1 1	
N. 3.5 P. M. 1.5 G. M. 1.5	
MEATING; caConiment	
HEATING: caComment	

ING LOG - CA RESPONSES EXCEEDANCE T

TO: 12/31/2012

FROM: 3/27/2012

US Steel Clairton Work: Veo.6.4.4

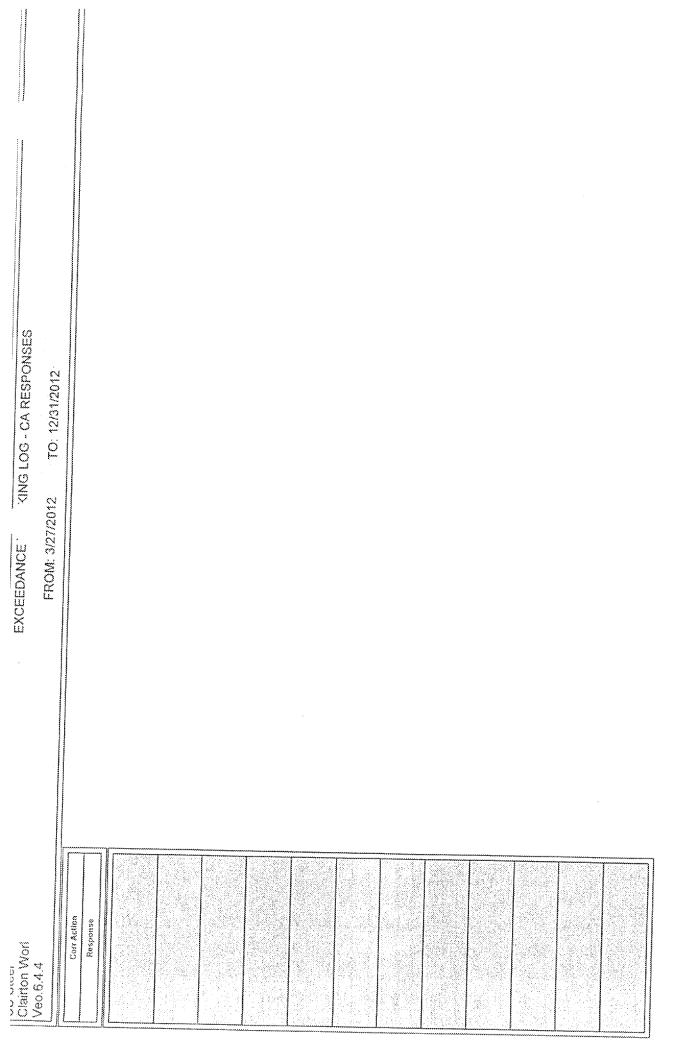
Brezk Rood Cause	Down Response	HEATING: XStack_OverlibertorLeakage_Refractory.	HEATING: XStack_OvenhiteriorLeakega_Refractory_	HEATING: XShak, Ovenblerfort, eskage, Refractory,	HEATING: XStack_OverhoteriarLeaksge_Refrectory_	HEATING: XStack_OveninteriorLeakage_Refractory_	HEATING: XStack_OvenimetorLeakage_Refractory_J	HEATING: XStack_OvenfnieriorLeakaga_Refractory_!	HEATING: XStack_OverduteriorLeakage_Refractory_}	HEATING: XSlack_OverinterlorLaskage_Refractory_	HEATING: XStack_OveninteriorLeakoge_Refractory_!	HEATING: XStack_OverinteriorLeskage_Refroctory_1	
Event	Descrip	28 Rdg => 26%	& Rdg av 60%	1 Rdg av 60%	35 Rdg ≈> 20%	1 Rdg => \$0%	20 Rdg ≈> 20%	48 Rdg => 20%	1 Rdg => 60%	42 Rdg 🗠 20%	6 Rdo *> 60%	26 Rdg => 20%	
<b></b>	Dev												1
Affect	Standard	SiP	diS	4. S	als.	SIP	SIP	<u>0.</u>	dis	g S	dis.	als	
nspection inspect	Type	3TACK 20%	STACK 80%	STACK #0%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 60%	STACK 20%	
Inspection	Reason	Roudine	Routine	Routine	Routine	Routine	Routins	Routine	Routine	Routhe	Routine	Routine	-
	Agy	5	7	2	2	э	>	3	5	9	9	7	+
	Over	A13	, r	441	E	154	A12.A14	823 827	A27	#10 014	A15	A.	
	Facility	ВАТТЕКУ З	ВАТТЕЙ? 2	BATTERY 3	BATTERY 2	виттеку з	ваттекуз	ваттеку 1	BATTERY 2	ВАТТЕКУ 1	BATTERY 2	BATTERY 2	
Event inspect	Date	10/24/12/13:50 BATTERY 2	1024/12 13:96	10/24/12 13:00	10/24/12 13:00	10/24/12 12:00	10/24/12 02:00	16/23/12 23:60	10/23/12 23:00	10/22/12 22:00	10/23/12 21/00	10/23/12 21,00	
Event	Status		OPEN	97-0 83	OPEK	OPEN	2	Орен	OPEN	Орен	OPEN	X G O	
Reference	Number	697129 OPEN	697328	697330	697327	697318	697232	697177	607178	697166	637164	697163	***************************************

TENEROSON (ALABAMAN MARIAN MAR		
EXCEEDANCE T ING LOG - CA RESPONSES	FROM: 3/27/2u12 TO: 12/31/2012	
US Steel Clairton Work.	Veo.b.4.4	Corr Action

Page 16   1	US Steel							EXCEE	EXCEEDANCE:	Ş	KING LOG - CA RESPONSES	ONSES	Mahadadada da
Exercise   Inspect   Exercise   App   Reserve   Type   Standard   Dev   Descripe   Develope   Dev	Veo.6.4     Veo.6.4	∑ 4. D						E.S.,	ROM: 3/27/2	012	TO: 12/31/201	~	
State   Date   Facility   Over   Ap   Reporter   Import   Import													
OPEN   102712 2000   BATTERY   A23   U   Readine   STACK 69%   SIP   Direction   Document   OPEN   102712 2000   BATTERY   A23   A3   U   Readine   STACK 69%   SIP   Direction   Document   TOZZIZ 2000   BATTERY   A23   A3   U   Readine   STACK 20%   SIP   Direction   Document   TOZZIZ 2000   BATTERY   A30   U   Readine   STACK 20%   SIP   Direction   Document   TOZZIZ 2000   BATTERY   A30   U   Readine   STACK 20%   SIP   Direction   Document   TOZZIZ 2000   BATTERY   A30   U   Readine   STACK 20%   SIP   Direction   Document   TOZZIZ 2000   BATTERY   A30   U   Readine   STACK 20%   SIP   Direction   Document   TOZZIZ 2000   BATTERY   DIRECTION   Direction   Document   STACK 20%   SIP   Direction   Document   TOZZIZ 2000   BATTERY   DIRECTION   Direction   Document   TOZZIZ 2000   DATTERY   DIRECTION   Document   STACK 200%   SIP   Direction   Document   TOZZIZ 2000   DATTERY   DOCUMENT   D	ACCEPTANCE .	┈	y-a-dena	8	***************************************		arspacaan	)Saden	743023	ļ	2000	a dican	Non Cause
OPERI         10.21/2 20:00         IATTERY 2         AND         U. Routine         STACK 60%         SP         22 Reg in 20%           OPERI         10.21/2 20:00         IATTERY 2         AND         U. Routine         STACK 20%         SP         22 Reg in 20%           OPERI         10.22/2 20:00         IATTERY 1         AND         U. Routine         STACK 20%         SP         22 Reg in 20%           OPERI         10.22/2 20:00         IATTERY 1         AND         U. Routine         STACK 20%         SP         22 Reg in 20%           OPERI         10.22/2 20:00         IATTERY 1         AND         U. Routine         STACK 20%         SP         22 Reg in 20%           OPERI         10.22/2 20:00         IATTERY 1         AND         U. Routine         STACK 20%         SP         22 Reg in 20%           OPERI         10.22/2 20:00         IATTERY 1         AND         U. Routine         STACK 20%         SP         22 Reg in 20%           OPERI         10.22/2 20:00         IATTERY 1         AND         U. Routine         STACK 20%         SP         22 Reg in 20%           OPERI         10.22/2 20:00         IATTERY 1         AND         U. Routine         STACK 20%         SP         22 Reg in 20%	Number	5068103	.uafe	Facility	Oven	Agy	Heason	1958	Standard	Aag	Оевсир	Down	Response
OPEN         TOZZYZ 2000         BATTERY 2         A03         U Raudine         STACK 20%         SP         22 Rag = 20%           OPEN         '1023/12 1950         BATTERY 1         A23 A22         U Raudine         STACK 20%         SP         22 Rag = 20%           OPEN         '1023/12 1950         BATTERY 1         B1 B15         U Raudine         STACK 20%         SP         22 Rag = 20%           OPEN         '1023/12 1950         BATTERY 1         B1 B15         U Raudine         STACK 20%         SP         22 Rag = 20%           OPEN         '1023/12 1950         BATTERY 1         B1 B15         U Raudine         STACK 20%         SP         22 Rag = 20%           OPEN         '1022/12 2500         BATTERY 1         A33         U Roudine         STACK 20%         SP         22 Rag = 20%           OPEN         '1022/12 2500         BATTERY 1         A11         U Roudine         STACK 20%         SP         A14         I Rag = 20%           OPEN         '1022/12 2500         BATTERY 1         A33         U Roudine         STACK 20%         SP         A14         A15 A16           OPEN         '1022/12 2500         BATTERY 1         B30 A30         U Roudine         STACK 60%         SP         A14 A	637150	Opera	10/23/12 20:00	ВАТТЕВҮ 1	A39		Routine	STACK 60%	ďS		9 Rdg av 60%		HEATING: XStack_OveninteriorLeakage_Refractory_;
OPER         1023/12 15:00         BATTERY 1         AZO         U Routine         STACK 20%         SP         22 Reg as 20%           OPER         1023/12 15:00         BATTERY 1         AZO         U Routine         STACK 20%         SP         22 Reg as 20%           OPER         1023/12 15:00         BATTERY 1         BY BU BU         U Routine         STACK 20%         SP         22 Reg as 20%           OPER         1022/12 17:00         BATTERY 1         AXB         U Routine         STACK 50%         SP         22 Reg as 20%           OPER         1022/12 27:00         BATTERY 1         AXB         U Routine         STACK 50%         SP         2 Reg as 20%           OPER         1022/12 27:00         BATTERY 1         AXB         U Routine         STACK 50%         SP         2 Reg as 20%           OPER         1022/12 27:00         BATTERY 1         AXB         U Routine         STACK 50%         SP         2 Reg as 20%           OPER         1022/12 27:00         BATTERY 1         AXB         U Routine         STACK 60%         SP         2 Reg as 20%           OPER         1022/12 27:00         BATTERY 1         BXB AXB         U Routine         STACK 60%         SP         2 Reg as 20%	397151	Open	10/23/12 20:00	ваттену 2	Ş	1.44.44.63	Routine		al S		22 Rdy => 20%		HEATING. Aslush, OvenmeerforLeakage, Refrectory, 1
OPEN         1072/12 16300         BATTERY 1         A20         U. Routina         STACK 204.         SP         26 Reg as 2074.           OPEN         1072/12 22:00         BATTERY 1         817         0         Routina         STACK 204.         SP         27 Reg as 2074.           OPEN         1022/12 16:00         BATTERY 1         A71         U. Routina         STACK 604.         SP         27 Reg as 2074.           OPEN         1022/12 07:00         BATTERY 1         A71         U. Routina         STACK 604.         SP         1 Reg as 2074.           OPEN         1022/12 07:00         BATTERY 1         A33         U. Routina         STACK 2075.         SP         3 Reg as 2074.           OPEN         1022/12 22:00         BATTERY 1         A33         U. Routina         STACK 2075.         SP         3 Reg as 2074.           OPEN         1022/12 22:00         BATTERY 1         A33         U. Routina         STACK 2075.         SP         3 Reg as 2074.	97139	All do	10/23/12 19:00	**************************************	A22 A23		Routine	STACK 20%	dis		32 Rdg av 20%		HEATING: XSlack, Overhiterier, eakaga, Refractory, 1
OPEN         1072/12 12:00         BATTERY 1         913 B15         U. Routine         STACK 20%         SIP         2 B Rdg => 20%           OPEN         1072/12 19:00         BATTERY 2         A11         U. Routine         STACK 20%         SIP         2 B Rdg => 20%           OPEN         1072/12 19:00         BATTERY 1         A33         U. Routine         STACK 20%         SIP         1 Rdg => 20%           OPEN         1072/12 22:00         BATTERY 1         A33         U. Routine         STACK 20%         SIP         1 Rdg => 20%           OPEN         1072/12 22:00         BATTERY 1         B30 A30         U. Routine         STACK 20%         SIP         2 Rdg => 20%           OPEN         1072/12 22:00         BATTERY 1         B30 A30         U. Routine         STACK 60%         SIP         2 Rdg => 20%	97120	N O	10/23/12 18,00	BATTERY 1	AZS		Routine	STACK 20%	dis		25 Kdg => 20%		HEATING: XStack_Overlitterfort_oakaga_Refractory_
OPEN         107227.2 16.00         BATTERY 1         A.20         U         Routine         STACK 20%         SIP         2.8 Rtg to 20%           OPEN         107227.2 16.00         BATTERY 1         A.11         U         Routine         STACK 60%         SIP         1.Rdg to 60%           OPEN         107227.2 17.00         BATTERY 1         A.23         U         Routine         STACK 20%         SIP         1.Rdg to 60%           OPEN         10727.12 22.00         BATTERY 1         B30 A30         U         Routine         STACK 20%         SIP         2.8 Rdg to 20%           OPEN         10721.12 22.00         BATTERY 1         B30 A30         U         Routine         STACK 20%         SIP         2.8 Rdg to 20%           OPEN         10721.12 22.00         BATTERY 1         B30 A30         U         Routine         STACK 20%         SIP         2.8 Rdg to 20%	92898	Open	10/22/12 32/00	<u> </u>	813 817 817	100000000000000000000000000000000000000	Routine	STACK 20%	d. S		28 Rdg => 20%		HEATRIG: XStask_OverlinteriorLeakage_Refractory_
OPEN         10722/12 18:08         DATTERY 3         A11         U         Routine         STACK 60%         SIP         1 Rdg => 60%           OPEN         10722/12 17:00         BATTERY 1         A23         U         Routine         STACK 60%         SIP         1 Rdg => 50%           OPEN         10722/12 27:09         BATTERY 1         A23         U         Routine         STACK 20%         SIP         31 Rdg => 20%           OPEN         10721/12 22:00         BATTERY 1         B30 A30         U         Routine         STACK 20%         SIP         26 Rdg => 20%           OPEN         10221/12 22:00         BATTERY 1         B30 A30         U         Routine         STACK 20%         SIP         26 Rdg => 20%	95846	OPEK	10/22/12 19:00	ваттекуз	A20		Routina	STACK 20%	dis		28 Rdy => 26%		HEATING: XStack_OveninteriorLeskage_Refractory
OPEN         10/22/12 17:00         BATTERY 1         A23         U         Routine         STACK 80%         SIP         1 Rdg x> 60%           OPEN         10/22/12 22:00         BATTERY 1         A23         U         Routine         STACK 20%         SIP         31 Rdg x> 20%           OPEN         10/22/12 22:00         BATTERY 1         B30 A30         U         Routine         STACK 80%         SIP         26 Rdg x> 20%           OPEN         10/21/12 22:00         BATTERY 1         B30 A30         U         Routine         STACK 80%         SIP         2 Rdg x> 80%           OPEN         10/21/12 22:00         BATTERY 1         B30 A30         U         Routine         STACK 80%         SIP         2 Rdg x> 80%	95540	N O O	10/22/12 18:00		Ä		Routine	STACK 60%	dis.		1 Rdg => 60%		HEATING: XSiack_Dvenitiviticit gakage_Refactory_)
OPEN         10/22/12 97:00         BATTERY 1         A23         U         Routine         STACK 20%         SIP         31 Fedg => 20%           OPEN         10/21/12 22:00         BATTERY 1         B28 A30         U         Routine         STACK 80%         SIP         26 Rdg => 20%           OPEN         10/21/12 22:00         BATTERY 1         B30 A30         U         Routine         STACK 80%         SIP         2 Rdg => 20%           OPEN         10/21/12 22:00         BATTERY 1         B28         U         Routine         STACK 80%         SIP         1 Rdg => 60%	96831	ОРЕМ	10/22/12 17:00	-	Att		Routine	STACK 60%	Sip		1 Rdg => 60%		HEATING: XStack_DventitionLoakage_Refractory_!
OPEN         10/21/12 22:00         BATTERY 1         B30 A30         U         Routing         STACK 20%         SIP         2e Rdg x> 20%           OPEN         10/21/12 22:00         BATTERY 1         B30 A30         U         Routing         STACK 60%         SIP         2 Rdg x> 60%           OPEN         10/21/12 22:00         BATTERY 1         B128         U         Routing         STACK 60%         SIP         1 Rdg x> 60%	96726	OPEN	10/22/12 07:00	ВАТТЕКУ 1	A23		Routine	STACK 20%	diS		31 Rdg 🖘 20%		HEATING: XStack_OverditoriorLeakage_Refrectory_i
OPEN         10/21/12.22:00         BATTERY 1.         B30 A30         U.         Routing         STACK 60%         SIP         2 Rdg w> 60%           OPEN         10/21/12.21:00         BATTERY 1.         B28         U.         Routing         STACK 60%         SIP         1 Rdg => 60%	96507	OPEN	10/21/12 22:00	виттеку 1	B30 A30	9.000	Routine	STACK 20%	diS		26 Adg a> 20%		HEATING: XStack_OverlinterforLeakage_Refractory_,
OPEN 10/21/12:1:09 GATTERY 1 B28 U Routine STACK 60% SIP 1R0g → 60%	96588	OPEN	10/21/12 22,00	BATTERY 1.	B30 A30	1400 24 04 04	Routine	STACK 80%	dis		2 Rdg v> 60%		HEATING: XStack_OvenleteriorLeakage_Refractory
	46580	NI O	10/21/12 21:00	60 100 100 100 100 100 100 100 100 100 1	828	330,730,00	Routine	STACK SO%	dis.		1 Rdg => 60%		HEATING: XStack, OverlutteriorLeakage, Refractory, I

US Steel	EXCEEDANCE . CARESPONSES
Veo,6.4.4	FROM: 3/27/2012 TO: 12/31/2012
Corr Action	
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						EXCE	EXCEEDANCE	Ş	KING LOG - CA RESPONSES	ONSES	
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bspect hspection	<b> </b>	<b> </b>	<b> </b>	fnspect	5	Inspect	Affect		Event	Break	Rost Cause
Date Facility Oven Agy Reason	. Dven Agy	Agy		Reaso	25	Туря	Standard	ååä	Descrip	Down	Response
10/21/12 21:00 GATTERY ( B28 A30 U Routine	B28 A30 U	5		coutine		STACK 20%	d S		33 Rdg => 20%		HEATING: XStack_OverlitterforLeakage_Refractory_
10/21/1221:00 BATTERY2 Alt U Routine	NATE OF	-	1	contino		STACK 20%	dis		49 Rdg av 20%		HEATING. XSlack_OveninteriorLeakage_Refractory_
10/21/12 (9:00 BATTERY 1: A.30 D Routing	A30	5		Pouline		STACK 20%	d S		58 Rdg => 20%		HEATING: XSiack_OverinteriorLeakage_Refractiny_
10/226/12.17(00 BATTERY 3 B10 U Rouline	B to	9	100 000 00	Soutine		STACK 20%	dis		48 Kdg => 20%		HEATING: XSlack_Oveninterfort.cakage_Refractury_
10,2012 00:00 BATTERY 3 B29 U Routine	D 5828	n	100000000000000000000000000000000000000	Routine		STACK 20%	dis		20 Adg w> 20%		HEATING: XSinck, OveninteriorLeakagn, Refractory, I
19/28/12 8/40 BATTERY 2 6/02 U Roudina	n zea	Э		Roulins		STACK 20%	SIP		26 Rdg => 20%		HEATING. XStack_Oveninterior_Leakayo_Refractory_
10/19/12 02:00 BATTERY 2 B22 U Routine	n 228	-	100000000	Routine		STACK 20%	819		19 Rdg 🗠 20%		HEATING: XSlack, Oveninterior Leakage, Retractory,
16/18/12 21:00 BATTERY 1 BUT U Routine	Bar	n		Routine		STACK 20%	diS.		23 Rdg 🗠 20%		HEATING. XStack, Overtinterior Laskaga, Refractory
10/18/12 17:00 BATTERY 3 A11 U Routine	V411 0	Β		Routine		STACK 20%	dis		33 Rdg => 20%		HEATING: XSlack_Operational_Operational_Extende
10/18/12 17:00 BATTERY 3 A11 U Roudine	ATT	5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Routine		STACK 60%	dis		18 Rdg es 60%		HEATING: XStack_Operational_Operational_Extendo
101812 02:00 BATTERY 1 B28 U Routine		5		Routine		STACK 20%	dis		43 Rdg => 20%		HEATING: XSiach, Oveninterior, eakage, Refractury, .
10/18/12/00:00 BATTERY 2 BOS U Roudine	n 8008	. 5	mescale	Routine		STACK 20%	dis		36 Rdg => 20%		HEATING. XSiack_OveniniesiorLeakage_Refractory



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(COLORADO DE COLORADO DE COLOR			Root Cause	Response	HEATHG: XStack_OvershteriorLeskage_Refractory_	HEATING: XStack_DverminerforLeakage_Refractory_	HEATING. XStack_OverinteriorLeskage_Rofactory_!	HEATING. XStack, OvershinsriorLeakage, Refractory	HEATING. XStack_OverinteriorLeskage_Refractory_	HEATING: XStack_OvenhieriorLeakage_Refractory_	HEATING: XStack_OveninteriorLeakage_Carthon_Roc	HEATING) XStack_OveninteriorLeakage_Carbon_Roc	HEATING: XStack_OveninteriorLeakage_Refractory_	HEATING: XStack OveninteriorLeakage Refractory	HEATING: XStack, Overlitterfort rakage, Rofractory,	HEATING; XStack_DventisteriorLeakage_Refractory_	HEATING: KStark_Ovenhierfort.enhage_Refractory_
ONSES	C		Break	Down													
(ING LOG - CA RESPONSES	TO: 12/31/2012		Eyent	Descrip	8 Rdg v> 60%	26 Rdg av 20%	20 Rdg w> 20%	5 Rdg => 60%	27 Rdg => 20%	19. Rdg w> 20%	1 Rdg => 50%	44 Rdg => 20%	20 Rdg => 20%	19 Rdg => 20%	38 Rdg v> 20%	35 Rdg w> 20%	24 Rdy => 20%
E	2			200													
EXCEEDANCE.	FROM: 3/27/2012		Affoct	Standard	d15	SiP	L 20	dis	dis	dis	S4P	dis	SIP	RIS	dis:	e e	SP
	Lå.		Inspect	Type	STACK 60%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%
			inspection	Reason	Rousine	Raulins	Routine	Routine	Routine	Routine	Rendine	Routine	Routine	Reutine	Routine	Routine	Routins
				Agy	, ,	- 5	э	=	Э	Þ	2	Þ	Э	9	5	Э	3
				uano	808	A30 B01	A06 A12	ē	8	828	A03 A05	A03 A65	25	B14 B16	A65	828 830	818
				Facility	ваутеку 2	BATTERY 1	ваттеку з	ВАТТЕКУЗ	ваттеку 1	BATTERY 1	BATTERY 3	BATTERY 3	ВАТТЕКУ 1	BATTERY3	BATTERY 3	BATTERY 1	ваттей з
***************************************			Inspect	Date	10/18/12 05/00	10/17/12 20:00	10/17/12 05:00	10/16/12 20:00	10/16/12 20:00	10/16/12 19:00	10/10/12 17:00	10/16/12 17:00	10/16/12 10:50	10/12/12 19:00	10/15/12 17:06	16/15/12 12:00	16/15/12.05:00
	Your 4		Event	Status	OPEN	N See N	XII 0		OPEN	Na do	кохи	RDY1	OPEN	OPEN	OPEN	OPEN	OPEN
US Steel	Clainton Work Veo.6.4.4	1	Reference	Mumber	694507	694449	654723	694034	n n n n n	694023	693899	6833868	728549	693662	693651	693611	693546

US Steel Clairfon Worl Veo.6.4.4  Response	EXCEEDANCE (ING LOG - CA RESPONSES FROM: 3/27/2012 TO: 12/31/2012	
HEATING: caComment  HEATING: caComment		

FROM: 3/27/2012 TO: 12/31/2012
Inspection inspect Affect
Reason type Standard
STACK 60% SP
STACK 20% SIP
STACK 20% SIP
STACK 20% SIP
STACK 60% SIP
STACK 20% SIP
STACK 20% SIP
STACK 20% SIF
STACK 20% SIP
STACK 20% SIP
STACK 26% SIP
STACK 20% SIP
STACK 20%. SIP

US Steel Clairton Work Veo.6.4.4  CorrAction Response	EXCEEDANCE 100 CA RESPONSES  FROM: 3/27/2012 TO: 12/31/2012
HEATING: casturryspray	
HEATING: cashuryspray	

US Steel	<u>.</u>							EXCEEDANCE	<u>~</u>	KING LOG - CA RESPONSES	PONSES	
Clainton Worl	2 4. 2 4.						buin	FROM: 3/27/2012	012	TO: 12/31/2012	72	
	***************************************							***************************************				
Reference	Event	haspret				Inspection	inspect	Affect		Evant	Break	Roof Cause
Muniber	Status	Date	Facility	ua.v <sub>O</sub>	Agy	Reason	Type	Standard	Dev.	Descrip	Down	Response
692928	Open	10/13/12 23:00	DATTERY 2	A11 A16	5	Rouling	STACK 80%	dis		3 Rdg ≈> 60%		HEATING: XStack_OverinterforLeakage_Retractory_
£92827	Open	10/13/12:23:00	ваттеку 2	A11 A15	5	Routine	STACK 20%	dls		27 Rdg => 20%		HEATING: XSIACK, Overiliterior Leakage, Refractory
692253	oper O	10/13/12 06:00	BATTERY 2	ABS	3	Routing	STACK 20%	d.		45 Rdg => 20%		HEATING: KSiack, OverlitheriorLookage, Refractory,
292168	NEW O	10/13/12 04:00	ваттекү 3	A08		Routins	STACK 80%	dis		1.Rdg v> 60%		HEATING: XSiack_OvenhiteriorLeakage_Refractory_
692167	OPEN	10/13/12 04:00	BATTERY 3	V08	=	Routine	STACK 20%	dis		67 Rdg av 20%		HEATING: XSlack_OverlinteriorLeakage_Refractory_
692128	Nado	10/13/12 03:00	ваттему з	308	5	Routins	STACK 20%	dis		19 Rdg av 20%		HEATRIG. XStack Oveninterior Leakage Refractory.
692127	Na co	10/13/12 62:00	BATTERY 2	828	5	Rautine	STACK 60%	SIP		3 Rdy >> 60%		HEATING: XSiack_OveninteriorLeakago_Refractory_
692126	Na Na Na Na Na Na Na Na Na Na Na Na Na N	10/13/12 03:00	ваттеку 2	626	5	Routine	STACK 20%	diS		40 Rdg av 20%		HEATING: XStack_Overinterfort.eakage_Refractory_
692086	OPEN	10/13/12 02:00	BATTERY 2	80 8 80 8	Э	Routine	STACK 20%	dis		40 Rdg => 20%		HEATING. XSlack, OverditeriorLeakage, Refractory.
691940	OPEN	10/12/12 21/00	ваттеку з		5	Routine	STACK 60%	SIF		6 Rug av 60%		HEATING: XStack_OveninteriorLeakage_Refractory_
601939	OPEN	19/12/12 21:00	BATTERY 3	e e	5	Routine	STACK 20%	F133		34 Rdg av 20%		HEATING: XStack, Oveninterior, eakage, Rofrectory
691504	ROY1	10/12/12 18:00	ваттеву з	A03	5	Routine	STACK 20%	E.		39 Rdg 🗪 20%		HEATING: XStack_OveninterierLeakage_Refractory

US Steel   Clairton Worl	EXCEEDANCE : (ING LOG - CA RESPONSES
Veo.6.4.4	FROM: 3/27/2012 TO: 12/31/2012
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Clairton Wor.	EXCEEDANCE " (ING LOG - CA RESPONSES
V 5U, D, 4, 4	FROM: 3/27/2012 TO: 12/31/2012
Gorr Action Response	
HEATING: caComment	
HEATING, cacominent	

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			Roof Cause	Response	HEATOKS: XStack_DveninteriorLoakayo_Refractory_	HEATING: XSlack_OvantinationLeakage_Refractory_	HEATING: XStack_CvonditeriorLeakage_Rafractory_1	HEATING: XSlack, Ovenitation leakage, Refraction,	HEATING: XStack_OvendrieriorLoskapo_Rofractory	HEATING: XSlack_OverliteriorLeakago_Refrectory_	HEATING: XSlack, Oveninteriori eakage, Rafractory, ,	HEATING: XSiack, Ovenhiterfort, eakago, Refractory	HEATING: XStack_OverlinedorLsakags_Refractory	BEATING. XStack_OveninteriorLeakage_Befractory	HEATING: XStack, Overditeriar Leakage, Refractory,	HEATING; XStack_OveninteriorLeakage_Carbon_Pur
ONSES	2		Break	Down												
ING LOG - CA RESPONSES	TO: 12/31/2012		Event	Descrip	23 Rtg => 28%	31 Rdg => 20%	73 Rdg => 20%	22 Adg => 20%	79 Rdg => 20%	51. Kdg => 20%	18 Rdg => 20%	45 Rdg => 20%	30 Rdg 🖘 20%	20 Rdg +> 20%	46 Rdg e> 20%	4f Rdg #> 20%
Į.	Č			Že O												
EXCEEDANCE T	FROM: 3/27/2012		Affect	Standard	dis	dis	4 B	Sils	SIP	Sip	d IS	<u>4</u> 155	dis	diS	dis	dis.
EXCEE	ii.		laspect	Type	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 25%
			inspaction	Reason	Routine	Routine	Routine	Routine	Kontine	Routins	Routine	Routine	Rauline	Rautine	Routine	Routing
			ļ	¥33	=	-	5	3	Þ	Þ	>	=	=	Э	Э	э
		***************************************		Oven	A21	809	ADA	A21A23	A64	243	B01	CO1 828 830	¥	108	028	561
***************************************				Facility	BATTERY 1	ваттеяу 1	BATTERY 3	BATTERYZ	ваттеку з	BATTERY 1	BATTERY 1	BATTERY 1	ваттеку з	BATTERY 2	BATTERY 1	ваттеву з
			inspect	Date	16/16/12 06:03	10/10/12 22:00	10/68/12 03:00	10/07/12 22:50	10/07/12 04:00	10/06/12 23:00	10/06/12 22:00	10/08/12 21:00	10/06/12 19:00	10/06/12 14:00	16/06/12/13:00	10/06/12 12/00
75	Work.		Event	Status	ROY1	N. N.	BDY1	3	ROYA	OPEN	NG GO	OPEN	X 3do	Open	OPEN	OPEN
US Steel	Clairton Work. Veo.6.4.4		Retarence	Number	694063	650366	898440	690324	690112	690038	\$00000	689987	589937	830844	684622	689307

US Steel Clairton Worl Veo.6.4.4   Cont Action Response HEATING: caComment HEATING: caComment	EXCEDANCE VING LOG - CA RESPONSES FROM: 3627/2012 TO: 12/31/2012

US Steel	-						EXCEE	EXCEEDANCE *	ĬŠ	(ING LOG - CA RESPONSES	ONSES	TOTAL OF THE PROPERTY OF THE P
Clairton Work Veo.6.4.4	Work.						i.	FROM: 3/27/2012	<u>~</u>	TO: 12/31/2012	~	
			***************************************									F
Reference	Event	Inspect				Inspection	Inspect	Affect		Event	Break	Roof Cause
Mumber	Status	Date	Facility	Oven	Agy	Reason	Type	Standard	) Oev	Descrip	Down	Rasponse
\$456B3	Open	10/05/12 23:00	BATTERY 1	828	5	Rosidina	STACK 20%	dis		20.Adg => 20%		HEATING: XStack_OveninteriorLeakage_Refractory_
689437	ROY1	16/05/12 16:00	BATTERY3	25	=	Rouline	STACK 20%	als:		20 Rdg => 20%		HEATING: XStack_Ovenimerian cakage_Refractory_
668235	8073	10:04/12 04:00	BATTERY 3	ApA	=	Rentine	STACK 20%	dis	<del></del>	23 Rdg a> 28%		HEAING. AStack_OvenhtionionLeakage_Refractory_
687313	RDY1	10/02/12 17:00	ваттеву з	\$87	2	Rautine	STACK 20%	£ 199		27 Rdg => 20%		heathg: XSisck_OvenhifedorLeskage_Rofractory
686127	ROY1	09/30/12 17:00	BATTERY 3	ABS	=	Routing	STACK 60%	883		1 Kdg >> 60%		HEATING: XStack_OvenhoteriorLoakage_Refractory_
820383	RDY1	09/30/12 14:00	BATTERY 3	B10.B12	=	Rouding	STACK 20%	dis	Ì	21 Rdg => 20%		heatbhs: XSirck Oveninteriest erkrije, Présischosy_
685349	N S S S S S S S S S S S S S S S S S S S	09/29/12 18:00	BATTERY 1	, A30	5	Routine	STACK 20%	ē.		21 Rdg => 20%		HEATING: XStack_OveninteriorLeakaga_Refractory_
68453.1	RDY1	09/29/12 01:00	ваттепу з	803	3	Routino	STACK 20%	ā,		29 Rdy => 20%		HEATING; XStack_OveninteriorLeakage_Refractory
683623	**************************************	09/28/12 03:50	BATTERY 1	AG1	٥	Routine	STACK 20%	e lis		35 Rdg => 20%		HEATING: XStack_OverhaleriorLeakage_Actractery
683112	RDY1	00/27/12 16:50	BATTERY 3	B10 B12	23	Roufine	STACK 20%	d.		21 Rdg => 20%		HEATING: XStack_OveninteriorLeakage_Refractory
882830	8071	09/27/12 12:00	BATTERY 2	228	٥	Routine	STACK 20%	Ē,		33 Rdg => 20%		HEATING: XStack_OveninteriorLoakago_Refractory
881970	1 KDW	09/26/12 17:00	ваттеку з	AUS	3	Routhtre	STACK 20%	£.		44 Rdg => 20%		HEATING: XSiack_OveninteriorLrakage_Refractory_

I	EXCEEDANCE 7 (ING LOG - CA RESPONSES) FROM: 3/27/2012 TO: 12/31/2012
Corr Action Feeppoisse	
HEATING: caSturySpray	
HEATING; caComment	
HEATING; caGeramicWeld	
HEATING: caCeramicWeld	
HEATING: cathydun	
HEATING: caCeromecWeid	
HEATING: caSturrySpray	
нЕАТИС: сабгубия	
HEATING: caComment	
HEATMG: caComment	

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		1 : 1	KBOI URIDS	Response	HEATING: Ksteck,, Ovenstitution Leakage, Refractory,,	HEATING: XStack_OveninteriorLeskage_Refractory_	HEATING: XStack_OveninteriorLeakage_Refractory	HEATING: XStack_OvenhitedorLeakage_Rafractory_	HEATRIG: XStack_OveninteriorLeakago_Refractory_	HEATING. XStack_OvenInteriorLeakago_Refractory_	HEATING: XStack_OveninieriorLeakage_Refractory_	HEATING: XStack_OveninteriorLeakage_Refractory	HEATING: XStack_Operational_Operational_Decarts I	HEATING: XStack_OvenhibriotLeakage_Refractory_	HEATING: XStack_OveninteriorLoakage_Refractory_I	HEATING: XSiack_Overingiollenkage_Refractory_
ONSES	2		Break	Down												
ING LOG - CA RESPONSES	TO: 12/31/2012	B	34983	Дизер	15 Rdg => 00%	40 Rúg æ> 20%	22 Rdy ~> 20%	22 Rdg 🖘 20%	48 Rdg av 20%	1 Rdg ×> 60%	21 Rdg => 20%	86 Rdg => 28%	21 Rdg => 20%	27 Rdg e> 20%	72 Adg => 20%	23 Rdg => 20%
Z	12	1		à												
EXCEEDANCE T	FROM: 3/27/2012		Affect	Standard	. d#8	dis	SiP	SiP	dis	c.	SIP	Sip	SIP	SIP	Sito	dis.
EXCEE	ű.	-	Inspect	14pa	STACK 60%	STACK 20%	STACK 20%	STACK 20%	STACK 26%	STACK 60%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%
		-	Inspection	Reason	Routine	Routing	Routine	Routine	Routine	Routine	Rouline	Rouline	Routine	Routine	Routine	Routine
		3	Ì	Agy	=	3	æ	5	9	=	3	3	Þ	Э	-	Э
	·			Oven	ABS	e. V	A27	A15	A11	AûS	25	83.4 4	A31	814	A14	A04
**************************************				Facility	BATTERY 3	BATTERY 2	BATTERY 2	BATTERY 2	ваттекуз	BATTERY3	BATTERY 2	BATTERYI	BATTERY 1	BATTERY 2	BATTERY 2	BATTERY 3
			Inspect	Date	08/26/12 17:00	09/25/17 22:00	09/24/12 22:00	69/24/12 21:00	09/24/12 17:00	99/24/12 17:DB	09/23/12/21:00	08/23/12 12:00	09/23/12 68/60	08/23/12 01:00	09/22/12/11/00	09/22/12 04:60
18/Orby	Z **		Event	Status	RBY1	O OPEN	3. AG8	Z Č	OPEN	RDY1	Na Sa O	Na do	OPEN	Na do	N B B B C	RDY1
US Steel	Veo.6.4.4	<b>.</b>	Reference	Number	831871	688833	679091	679020	678726	578721	677349	676627	676556	676146	581229	674547

US Steel Clairton Work	EXCEEDANCE 7 (ING LOG - CA RESPONSES
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Corr Action	
Response	
HEATING; CaConnocation	
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		Rest Cause	Response	HEATING: XStack, OveninterlorLeakerjo, Fefrazlory,	HEATING. XStack, Oveninterior, sakage, Refrectory, J	HEATING: XStat:R. OveninterforLeskage "Refractory."	HEATING: XStack_OvoninteriorLeskage_Refractory_	HEATING: AStack Ovenduterfort.cakage Rebactery	HEATING: XSiack, OveninteriorLookage, Refrectory	HEATING: XStack_OveninteriorLeakage_Carban_Wai	нелтикс. XSrack_Operational_Operational_Extends	HEATING: XStack_Operational_Operational_FirstCha	HEATING: XStack_OveninteriorLenkage_Rofractory_	HEATING: XStack DveninteriorLeakage Refractory !	HEATING: XStack_OveninteriorLeakage_Refractory_
ONSES	ч	Break	Down												
ING LOG - CA RESPONSES	TO: 12/31/2012	Event	Descrip	60 Rdg => 20%	137 Rdg ~> 20%	22 Rdg ×> 20%	26 Rdg w> 20%	1 Rdg e> 60%	61 Rdg => 20%	20 Rdg => 20%	35 Rdg av 20%	42 Rdg => 20%	42 Rdg => 20%	88 Rdy w> 20%	21 Kilg w» 80%
Z	77		åå												
EXCEEDANCE T	FROM: 3/27/2012	Affect	Standard	dis	dis	S S S	dis	Stp	dis	dis	ds	4 85	##S	dio	đị đị
EXCE	li.	Inspect	Туре	STACK 20%	STACK 20%	STACK 20%	STAGK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 60%
		nahangan	Reason	Routine	Routing	Routine	Routine	Routine	Routine	Rautine	Routing	Routine	Readino	Routine	Routine
			Agy	Э	9	=	2	Þ	э	5	э	2	n	. 5	5
			Oven	114	809 811	A07	A04	Vay	A85	A12	825	А30	A25	801 803	A20
			Facility	BATTERY 1	BATTERY 1	ваттеку 1	BATTERY 2	BATTERY 3	BATTERY 3	BATTERY2	BATTERY 2	BATTERY 1	BATTERY 2	BATTERY 2	BATTERY 2
		brensect	Date	09/21/12 23:00	09/21/12 22:00	09/21/12 18:60	89/21/12 ta:62	03/20/12 16/60	99/20/12 16:00	09/10/12 11;08	09/16/12/17/08	09/18/12 17:00	09/18/12 14/00	09/16/12 14:00	09/18/12.12:50
% % % %	, 4 ) (	Event	Status	X3 db	O DE	OPEN	RDY1	RDY1	RDV1	RDY1	NEW Operation	OPEN	ž	0 2 2	NII O
US Steel	Veo.6.4.4	Reference	Number	0,7406.3	673961	673654	672329	671012	671011	669334	667,868	667067	667787	887894	567639

US Steel   Clairton Work	EXCEEDANCE T ING LOG - CA RESPONSES
Veo.6.4.4	3/27/20
Cort Action Response	
HEATING: cashuryShray	
HEATING: caSturySpray	
NEATING: caconment	
HEATING: cacomment	
HEATING: caDryGun	

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		Boot Pases	Response	HEATING: XStack, OveninteriorLeakage, Refractory,	HEATING: XStack_Ovenimentori.eskage_Refractory_;	HEATING: XStack_OveninteriorLeakage_Refractory_)	HEATING. XStack_OveninteriorLeakage_Refractory_J	HEATING. XStack_OverlinteriorLeakage_Refractory_!	HEATURG: XStack_OveninteriorLeakaye_Refractory_	HEATING: XStack_OverditeriorLeakape_Refractory_	HEATING. XStack, Oveninterior Leakago, Refractory, J	HEATING: XStack_OverinteriorLeakage_Refractory_1	HEATING. XSiach, OveninteriocLeekage, Refractory, I	HEATING: XSiack_OverlinteriorLeakage_Refractory_i	HEATING: XSiack, OveninteriorLeekage, Refractory, I
ONSES	C	Develo	Down												
KING LOG - CA RESPONSES	TO: 12/31/2012	,	Descrip	107 Rdg to 20%	15 Rdg to 50%	84 Rdg => 20%	48 Rdg => 20%	112 Rdg => 20%	6 Rdg w> 60%	48 Rdy => 20%	0 Rdg => 60%	68 Rdg => 20%	28 Rdg => 20%	6 Rdy vo 60%	36 Rdg #> 20%
Ş	7		ρως												
EXCEEDANCE:	FROM: 3/27/2012	7 37 6	Standard	dis	SIR	d G	418	d IS	SIP	al S	dIS	dis	dis	el iii	Sip
EXCEE	11		Type	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 60%	8TACK 28%
			Reason	Routing	Routine	Routine	Routine	Rauthno	Routina	Routine	Roufine	Routine	Routine	Rautine	Rantine
			Aggy	9	=	3	э	3	Þ	- >	=	Β	3.	Э	9
220000000000000000000000000000000000000			Oven	A20	228	822	A19	627	809	808	803	808	836	803	820
			Facility	ваттеку 2	BATTERY 1	BATTERY (	ваттепу 1	ваттект 1	ваттекуз	BATTERY 3	ваттеку з	DATTERY 3	Ваттену 2	BATTERY3	BATTERY 2
		Å	Inspect	09/18/12 12:00	09/18/12:12:00	0%18/12 12:00	08/18/12 06:00	09/18/12 05:00	00/18/12 05:00	09/18/12 06:00	09/16/12 03:00	09/18/12 03:00	09/10/12 03:00	09/18/12 02;00	09/18/12 02:00
	2000 A.		Event	o bec.	XII do		OPEN	Nado	OPEN	33	OPEK	Nado	Open	ОРЕМ	OPEN
US Steel	Clainton Worl		Reference	9677538	667835	657834	667297	\$67203	667200	587207	667630	867029	657028	666930	666928

U.S. Steel   EXCEEDANCE T   TWO LOG - CA RESPONSES
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1	-	1							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
		resk Root Causa	Response	HEATING: XSiack_Ovenhitericit.eakage_Refractory_	HEATING: XStack_OverinteriorLeakage_Refraciory_i	HEATING. XStack_OveniniciforLeekego_Rofractory_!	HEATING: XSteck_OverditeriorLookage_Refractory_	HEATING; XStack_OveninteriorLeakage_Refractory	HEATING: XSiack_OveninteriorLeakage_Refractory_	HEATING: XStack_Operational_Operational_Extends	HEATING: XStack_OveninteriorLeakage_Roffactory_	HEATING: XStack_OverhiteriorLeahage_Refractory	HEATING: XSlack_Oveninteriot_bakage_Raffactory_	HEATING, XStack, OveninteriorLeakage, Refrectory	HEATING: XSlack, Ovenhoriot.eakaga, Rofractory
ONSES	12	Break	Davin												
ING LOG - CA RESPONSES	TO: 12/31/2012	Event	Descrip	30 Rdg => 20%	39 Rdg ~> 20%	20 Rdg 🗠 26%	20 Rdg => 20%	28 Rdg> 20%	24 Rdg => 20%	25 Rdg 🗠 20%	26 Rdg => 10%	33 Rdg => 20%	22 Rdg vo 20%	3 Rdg #> 69%	19 Rdg => 20%
Æ	112		à a												
EXCEEDANCET	FROM: 3/27/2012	Affect	Standard	dis	Sip	ds	diS	G183	Sip	SiP	dis	<u> </u>	dis	dis	SP
EXCEE	ũ	hspect	Type	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 60%	STACK 20%
		Inspection	Reason	Routine	Routine	Routins	Rouling	Routine	Roufins	Roufine	Reutine	Routins	Routine	Routine	Routine
			Ang.	3	- 5	3	5	Э.	Þ	9	5	9	Э	2	Э
			Oven	609	A08	28	A28	822	820	A10 825	603	AfBA23	827.829	827 829	628.
***************************************			Facility	ваттеку з	BATTERY 2	BATTERY 1	BATTERY 3	BATTERY 1	ВАТТЕВУ 1	DATTERY 2	ваттеку 1	BATTERY 1	BATTERY 1	BATTERY 1	BATTERY 2
***************************************		Inspect	Date	03/10/12/02:00	09/17/12 22:00	00/17/12 22:00	09/17/12 15:00	08/17/12 13,00	09/7/12/12:00	09/17/12 10:00	08/17/12 09:00	09/17/12 06:00	09/17/12 05:00	09/17/12 05:00	09/17/12 03:00 BATTERY 2
4	\$ 4 \$0 X	Event	Status	ОРЕК	Nado	OPEN	Nedo	OPEN	N O O	OPEN	OPEN	OPEN	OPEN	osev O	OPEN
US Steel	Clairton Work. Veo.6,4,4	Reference	Number	666929	205999	\$65501	699599	665427	665306	58534	685013	564888	664816	664817	664615

NG LOG - CA RESPONSES	FROM: 3/27/2012 TO: 12/31/2012									
US Steel Clairton Work.		Corr Action Response								

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		Rost Cause	Response	HEATING: XStack_OverhiteriorLeakage_Refractory	HEATING: XStack_OverinteriorLeakago_Refractory_	HEATING: XStack_OveninteriorLeakage_Refractory_	HEATING: XStack_OveninteriorLeakage_Refractory	HEATING. XSlack, Oveninterior cakage, Refractory	HEATING: XShack_OveninteriorLeabage_Refractory_,	HEATING: XStuck_OveninteriorLeakage_Refractory_	HEATING: XStack_OvertinterforLeakage_Refractory_	HEATING: XStack, Overimental rakage, Refractory	HEATING: XStack_OveninteriorLoakaga_Refractory_	HEATING: XSlack_OveninteriorLoakage_Refractory_	HEATING: XStark_OveninteriorLeakage_Refractory_
ONSES		Event Break	Down												
(ING LOG - CA RESPONSES	TO: 12/31/2012	Event .	-	29 Rdg => 20%	30 Rdg == 20%	56 Rdg => 20%	13 Rdg => 60%	7, Rdg => 60%	6 Rdg => 60%	46 Rdg => 20%	45 Rdg => 20%	11 Rdg => 60%	28 Rdg => 20%	84 Rdg => 20%	56 Rdg a> 20%
5	2012		Dev												
EXCEEDANCE	FROM: 3/27/ku12	Affect	Standard	dis	dis	d 18	d. S	SiP	dis	d.	S(P	SIP	dis	dis	SiP
EXCEE		inspect	Type	STACK 20%	STACK 20%	STACK 20%	STACK 60%	STACK 60%	STACK 60%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 20%
		Inspection	Reason	Reutine	Routine	Routine	Routine	Rouline	Routine	Roufine	Routine	Routine	Routine	Routine	Routine
			Agy	3	3	-	3	2	э	=	5	9	5	5	-
			Oven	816	A28	B02 B04	BO4 B02	718	Ata	817	A13	Att	803	W.	Att
			Facility	BATTERY 2	BATTERY 3	ваттеку 2	ваттейу 2	ваттеку 1	ваттеку 2	BATTERY 1	BATTERY 2	BATTERY 2	BATTERY 1	BATTERY 2	BATTERY 3
		104010)	Date	09/17/12 02:00	09/17/12 01:00	08/17/12 04:00	09/17/12 01:00	09/15/12 22:00	09/16/12 22:00	09/16/12 22:00	09/16/12 22:00	09/16/12 21:00	09/16/12 21:00	03/16/12 21:00	parte/12.17.00
-	۷۷٥٣ پر	France	Status	OPEN	Na Open	New	OPEN	OPEN	w w d d	OPEN	MB do	Žija O	OPEN	OPEN	OPEN
US Steel	Clairton Work Veo.6.4.4		Number	664609	654535	664593	864534	664548	664550	654547	864543	664544	664542	564543	664438

US Steel Clairton Worl	9
V6U.D.4.4	FROM: 3/27/2012 TO: 12/31/2012
Corr Action	

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			Root Cause	nesponso	HEATING. XSiack Overinterior Cakage Refractory.	HEATING: XStack, OverinterforLeskage, Refractory,	HEATWG: XStack_Operational_Operational_DecarbT	HEATING: XStack, Overinterior Leakage, Retractory,	HEATING: XStack_OverinterforLeskage_Refractory_!	HEATING: XStack_CombustionSystem_Gas_HighWo	HEATING: XStack_CombustionSystem_Gas_HighWo	HEATING: XStack_CombustionSystem_Gas_HighWo	HEATING; XSlack_CombustionSystem_Gas_HighWo	HEATING: XStack_Operational_Operational_Walting(	HEATING: XStack_CombustionSystem_Gas_HighWo	HEATING: XStack_CombustionSystem_Cas_HighWo	HEATMG: XStack_CombustionSystem_Gas_HighWo	KStack_CombustionSystem_Cass_HighWo	HEATING: XStack_CombustionSystem_Gas_HighWo	HEATING: XStack_CombustionSystem_Gas_HighWo
ONSES	7		Bresk	Down																
ING LOG - CA RESPONSES	TO: 12/31/2012		Event	Descub	6 Rdg => 60%	\$1 Rdg => 20%	31 Rdg => 20%	1 Rdy 20 E0%	23 Rdg av 20%	3 Rdg => 60%	20 Rdg => 20%	33 Rdg x> 20%	22 Rdg => 20%	69 Rdg -> 20%	2 Rdg => 60%	26 Rdg => 20%	20 Adg a> 20%	25 Rdg => 20%	49 Rdg av 20%	30 Rdy => 20%
=	275			ogc.																
EXCEEDANCE T	FROM: 3/27/2u12		Affect	Standard	SIP	SP	dIS	dis	dis	Sip	415	c.	als	dis	dis	dis	dis	SiP	Sip	č. Č
EXCEE	i.		Inspect	Type	STACK 60%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%
		1	Inspection	Reason	Routine	Routino	Routine	Routine	Routine	Roufine	Routine	Routine	Routins	Routine	Routine	Routine	Routine	Routine	Routino	Routine
				Aĝ	>	>	3	9	Þ	7	Ξ	Э	э	э	9	9	2	3	9	3
				Oyen	ATT	808	816 B18 820	A18	803	2	108	824	563	, to	928	Д03	828	A22	A20	A10
			***************************************	Facility	BATTERY 3	BATTERY 3	ваттеяч 1	BATTERY 2	ваттеку 1	ваттеку 2	ваттеку 2	BATTERY 1	BATTERY 2	ваттеку 1	ваттевуз	BATTERY 2	ваттенуз	BATTERY 3	ваттену 1	BATTERY 1
			inspect	Date	09/18/12 17:00	09/16/12 14:00	09/18/12 11:00	09/16/12 10:00	09/15/12/21:00	09/12/12/00	09/15/12 13:00	09/15/12 12:00	09/15/12 04:00	08/18/12 00:00	09/14/12 21:00	09/14/12 21,00	09/14/12 21:00	09/14/12 20:00   BATTERY 3	09/14/12 20:00	09/14/12 19:00
on the second se	\$ 4 \$70 \$4	***************************************	Event	Status		35	Na do	Na So	Open	No de la constant de	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	Wado
US Steel	Clainton Work; Veo.6.4.4		Reference	Number	564436	864203	884062	654952	663697	663585	P85C93	663555	662916	562797	662893	682691	862892	682632	662630	862855

US Steel Clairton Wor,	EXCEEDANCE (ING LOG - CA RESPONSES
Veo.6.4.4	FROM: 3/27/2012 TO: 12/31/2012
Corr Action	
Response	

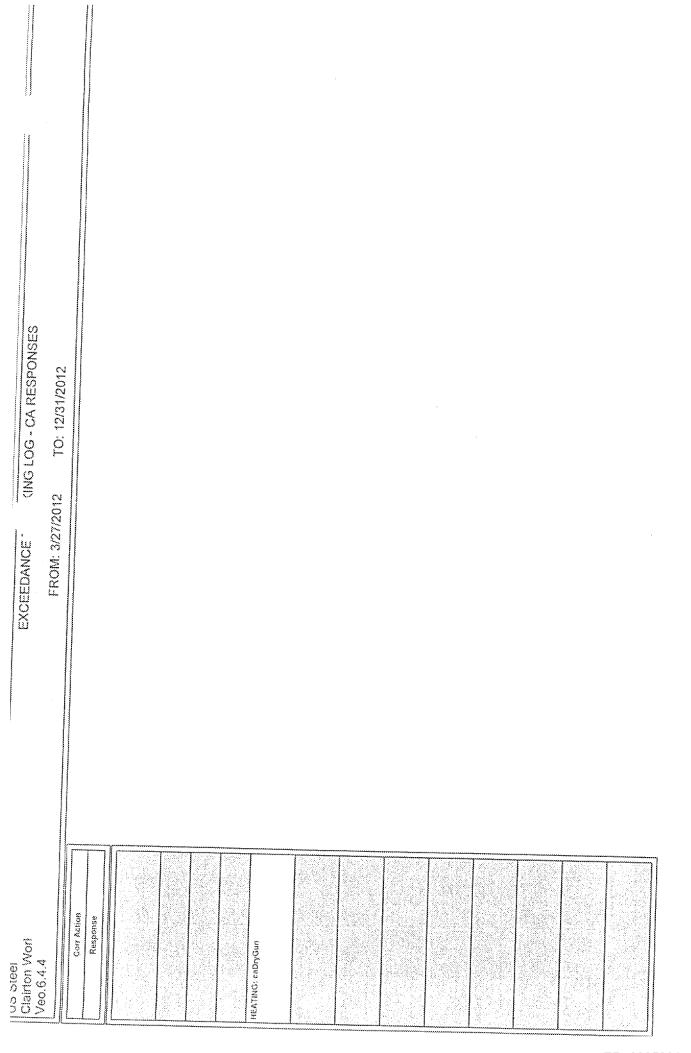
US Steel	annon '						EXCE	EXCEEDANCE:	#	(ING LOG - CA RESPONSES	ONSES	
Clairton Work Veo.6.4.4	Work						Ed.	FROM: 3/27/2012	Z.	TO: 12/31/2012	C.	
							***************************************					
Reference	Event	Inspect				Inspection	Inspect	Affact		Evant	Break	Root Cause
Number	Status	Date	Facility	Oven	Agy	Reason	Type	Standard	Dev	Descrip	Down	Response
862556	OPEN	09/14/12 18:00	ВАТТЕКУ 3	846	=	Rourine	STACK 20%	dis		21 Rdg 🗠 20%		HEATING: XStack_CombustionSystem_Gas_HighWo
662491	ROYI	03/14/12 18:00	BATTERY 3	A35.	3	Routine	STACK 18%	388		22 Rdg => 20%	**************************************	HEATING: XStack_OveninteriorLeakage_Refractory_
562488	OPEN	09/14/12 18:00	BATTERY 1	X08	=	Routine	STACK 20%	dis		37 Rdg => 20%		HEATING: XStack_CombustionSystem_Gas_HighWo
662423	RDY1	05/14/12 17,80	BATTERY3	405	3	Routine	STACK 20%	213		99 Rdg => 20%		HEATING: XStack_Oveninionart.nakage_Refractory_
662424	RDY1	05/14/12 17:00	BATTERY3	405	2	Routhie	STACK 60%	SIP		32 Rdg => 60%		HEATING. RSdack, DeepinteriorLeakago, Refractory
661861	OPEN	09/14/12 11:00	BATTERY 1	B10 B12	2	Routina	STACK 20%	a. SS		41 Rdg => 20%		HEATING. XStack, Ovenimerical calvage, Refractory.,
661737	OPEN	09/14/12 10:00	ваттеку 2	A02	-	Routine	STACK 60%	SIP		3 Rdg -> 60%		HEATING: XStack_OveninteriorLeakage_Rofractory_
580784	Daen	08/14/12 06:66	ааттепү 1	608	-	Routine	STACK 60%	dis		8 Rdg ex 60%		HEATING: XStack_OveninterlarLeakage_Refractory_,
860703	OPEN	09/14/12 00:00	ваттеяу 1	803	-	Routina	STACK 20%	dis		67 Pdg => 20%		HEATING: XStack_OverInteriorLeakage_Retractory
660589	S G O	09/13/12 22:60	ВАТТЕКУ 1	A30	-	Routine	STACK 20%	Sip		20 Rdg => 20%		HEATING: XStack, Oveninterior, sakage, Refractory,,
659450	OPEN	08/13/12 13:00	ваттеку 1	824	>	Routine	STACK 20%	SiP		25 Rdg => 20%		HEATING: XStack, OveninteriorLeakage_Hefractory_
\$50062	NEW	05/13/12 10:00	ваттеку 1	739	9	Routins	STACK 60%	SiP		2 Rdg => 60%		HEATRIG: XStack_OveninteriorLeakage_Refractory_
659061	Open	09/13/12 10:00	ваттеку 1	A29	Э	Routine	STACK 20%	dIS		184 Rdg => 20%		HEATING: XStack, Ovaninterfort.eakage, Refractory,

US Steel Clairton Work	EXCEEDANCE 1NG LOG - CA RESPONSES	
Veo.6.4.4	1: 3/27/20	
HEATING caCommon		
HEATHG: cacomment		
HEATING: caconniens		

							EXCE	EXCEEDANCE.	3	(ING LOG - CA RESPONSES	ONSES	
Veo.6.4.4	Clairton Work Veo.6.4.4	:					iii	FROM: 3/27/2012	č	TO: 12/31/2012	೧ಚ	
Reference	Event	Inspect				Inspection	Inspect	Affect		Event	Break	Roat Cause
Number		Date	Facility	Oven	A-9.4	Reason	Typs	Standard	åã	Descrip	Down	Response
658572	Na OO	03/13/12 08:00	BATTERY 1	ž.	9	Routine	STACK 20%	dis		19 Rdg 🗠 20%		HEATING: XSteck_OverditeriorLeakage_Rofractory
658174	, S	09/12/12 21:00	BATTERY3	822	5	Routhe	STACK 20%	di S		43 Rdg 🗠 20%		HEATING: XStack_Overditionlesskage_Refractory_
658140	Na S	09/12/12 15:00	BATTERY 1	A10	- -	Routine	STACK 20%	diS		29 Rdg => 20%		HEATING: XStack_OvenintoriorLeakage_Refractory_
853885	RDY	69/12/12 18:00	BATTERY 3	A05	2	Rodins	STACK 20%	. <u>c</u>		71 Rdg => 20%		HEATING: XStack_OvenfateriorLeakage_Refraciory_
653036	RDY1	09/12/12 18:08	ваттевуз	Aŭŝ	2	Routing	STACK 60%	dis		4 Refg up 50%	***************************************	HEATING: XStack,, Oveninterior Leakage,, Refractory, F
657869	New Ower	03/12/12 15:00	BATTERY 2	sea .	3	Routine	STACK 20%	dis		24 Rdg => 20%		HEATING: XStack_Operations/_Operational_DecarbT
657835	Nado	06/12/12 12:00	BATTERY 1	810	>	Routine	STACK 20%	SiP		28 Rdg 🖘 20%		HEATING. XStack_OverinteriorLeakage_Refractory
657517	OPEN	09/12/12 11:00	BATTERY.2	A10	5	Routine	STACK 60%	SP		2 Rdy v> 60%		HEATING: XStack_DvenintariorLeakage_Refrectory
102723	NJ Bao	06/12/12 07:00	ваттекуз	£	-	Routine	STACK 20%	D.S.		25 Rdg => 20%		HEATMG; XStack, Overlatismont, eakage, Refractory
098989	Na Co	09/12/12.01:00	ваттеку 1	808	-	Routine	STACK 20%	A. S.		38 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende
658324	OPEN	08/11/12/21:00	ваттеку 1	ā	Э	Routine	STACK 20%	dIS		23 Rdg => 20%		HEATING: XStack_Operational_Operational_Opacity(
656810	OPEN	03/11/12 12:00	ваттекуз	842	э	Routine	STACK 60%	d.		1 Rdg => 60%		HEATING: XStack_Operational_Operational_Opecity!
655764	OPEK	09/10/12 13:00	BATTERY 2	2 2	- 5	Routine	STACK 20%	d.		21 Rdg av 20%		HEATING: XStack_Operational_Operational_Opacity!

EXCEEDANCE (ING LOG - CA RESPONSES FROM: 3/27/2012 TO: 12/31/2012			
**************************************	Response Resture Restu	HEATING: caCoramicWolff	

1								***************************************	***************************************								
			Roof Causs	Response	HEATING: XStack_Operational_Operational_Opabitys	HEATING: XStack_Operational_Operational_Decarb1	HEATING: XSlack, Operational, Operational, Decartif	HEATING: XStack_Operational_Operational_Decath7	HEATMG: XStack_OverdateriorLeakage_Refractory_	HEATING: XStack_Operational_Operational_FirstCha	HEATING: XStack_Operational_Operational_FirstCits	HEATING: XStack_OverditariorLeakago_Refractory_	HEATING: XStack_OveninteriorLeskage_Refractory_	HEATING: XStack_Operational_Operational_Opacityi	HEATING: XStack_OvenfitteriorLeakage_Refractory_	NEATING: XStack, OverlitteriorLeakage, Refractory.	HEATING. XStack_OverlinteriorLeakage_Refractory_
PONSES	Ç		Break	Down													
(ING LOG - CA RESPONSES	TO: 12/31/2012		Event	Descrip	23 Rdg -> 20%	46 Roig ao 20%.	\$ Rdg => 50%	25 Rdg -> 20%	26 Rdg => 20%	1 Rdg × 60%	21 Rdg => 20%	26 Rdg av 20%	1 Rdy => 60%	2 Rdg wy 60%	39 Rdg as 20%	50 Rdy => 20%.	19 Rdg #> 20%
S	Ü	r	1	À a													
EXCEEDANCE:	FROM: 3/27/2012		Affect	Standard	Sip	Sip	dis	dis	dis	d ži	dis	<u>a.</u>	CIS.	dis	dis	dis	S.E.B.
EXCEE	LL.	ř	Inspect	Typs	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 60%	STACK 20%	STACK 20%	STACK 60%	STACK 60%	STACK 20%	STACK 20%	STACK 20%
***************************************		<u> </u>	Inspection	Reason	Routine	Routine	Routine.	Routine	Routine	Routine	Routine	Routine	Routine	Routine	Routine	Routins	Rouline
				Agy	5	9	:=	Э	æ	9	=	5	э	9	Э	э	Э
			-	Oven	813	828	823	629	818 812	A21	A2:1	823	AZI	128	A30	929	A12
			de acus de la companya de la company	Facility	ваттеку 1	ваттенуз	BATTERY 3	ваттеру з	BATTERY 3	BATTERY 3	ваттепу з	ваттекуз	BATTERY 2	ваттеку 1	BATTERY (	BATTERY 1	ваттеку 2
<b>DESCRIPTION</b>			inspect	Date	09/10/12 13:08	09/10/12 11:00	09/10/12 11:00	09/10/12 06:00	09/08/12 18:00	09/09/12 13:00	09/09/12 13:00	08/09/12 09:00	08/08/12 01:00	09/06/12 23:00	09/08/12 22:00	09/08/12 20:53	09/09/12 12:00
14/24	4 000		Eyent	Status	OPEN	OPEN	OPEN	Nado	#DV3	OPEN	OPEN	OPEN	OPEN	OPEN	OBEN	OPEN	OPEN
US Steel	Veo.6, 4,4		Reference	Number	655703	&5.55.0 19	623620	655402	654961	654820	654813	654812	653954	653943	653941	\$53.527	853665



1				······································											***************************************
	•	Reat Cause	Ragionse	HEATING: XStack_Overlined or Laskage_Refractory_	HEAING) XStack_CvenkhterkorLeakaye_Refractory_	HEATING: XStack "Operational Operational".Opacityl	HEATBIG. ASisek, Ovenintertori, eskago, Refrectory, 1	HEATING: Assack, Oveninterior Leskage, Rafractory,	HEATHIG: XStack_OveninteriorLeakage_Refractory	HEATRIG: XStack_OveninteriorLeakage_Refractiory_	HEATING: XStack_OveninteriorLeakage_Refractory	HEATING: XStack_Overinteriof.eakaga_Rafraclory_	HEATING: XStack_OveninteriorLeakage_Refractory_	HEATING: XStack_Overninteriori.enkage_Rsfractory_	HEATING: XStack_OveninteriorLeakage_Refractory_
ONSES	C	Break	Down												
ING LOG - CA RESPONSES	TO: 12/31/2012	Event	Descrip	1 Rdg => 60%	23 Adg => 20%	24 Rdy => 20%	40 Rdg wy 20%	31 Rdg => 20%	76 Rdg ×> 20%	80 Rdg => 20%	188 Adg => 20%	113 Rdg av 20%	29 Rdg av 20%	19 Rdg => 20%	168 Rdg => 20%
ΙŽ	12		λåα												
EXCEEDANCE T	FROM: 3/27/2012	Affect	Standard	dg	uli S	G.	<u>a</u>	dis	el SC	el SS	dis	SIP	dis	Š	dis
EXCEE	II.	Inspect	Type	STACK 80%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%	STACK 20%
		fispection	Reason	Roufine	Routhe	Routing	Routine	Routine	Routine	Rauline	Routine	Routins	Routine	Routine	Routing
			Agy	э	5	9	Þ	э	=		, a	э	2	Э	=
			Gven	168	A238	2 2	833	823 826	921	813 815	803 B05 809	A30	A22 B26	A03 B20	A04 A06 A08 A10
			Facility	BATTERY 2	ваттепу 1	BATTERY 2	BATTERY 1	BATTERY 1	ваттенут	ваттеку 1	ваттепу 1	ваттеку 1	BATTERY 1	ваттепуз	BATTERY
		(oxcoxc)	Dats	09/md/12.11.00d	0%08712 10.00	63/38/12 62:60	08/08/12 02:00	OBJOBNZ 01.00 BATTERY 1	09/06/12 00:60	08/07/12 23:00	09/07/12 22:00	09/07/12 21:00	09/07/12 24:00	09/07/12 13:00	09/07/12 18:60
	Vork X	E.coard	Status	Open	807		Opera	Na do	OPEN	Ž Osto	OPEN	ä	OPEN	a d	OPEN
US Steel	Clairton Work. Veo.6.4.4		Number	683589	653831	883088	653895	6510%5	652081	6530652	653050	853843	653028	1462239	652930

Clairfon Wor Veo.6,4,4	EXCEEDANCE: (ING LOG - CA RESPONSES) FROM: 3/27/2012 TO: 12/31/2012
HEATING: caSturrySpray	

FXCEEDANCE T	EXCEEDANCE T	ING LOG - CA RESPONSES	
Clairton Work			
Veo.6,4,4	FROM: 3/27/2012	2 10: 12:31/2012	

Datarones	Forest	Inspect				Inspection	mapect	Affect		Event	Break	Root Cause
4	2 A 2018	torockoror		1		4	£.	Chandon	100	Descript	Bawn	Response
	Status	Oate	Facility	Chen	Agy	Reason	odk)	Standard	200	chicaetta	SAAA	
1	NII O	09/07/12 17:50	BATTERY 3	808 B10 812	>	Routine	STACK 20%	Sip		53 Rdg => 20%		HEATING: XStack, Ovenmentoff, dakago, Refractory.
	OPEN	09/07/12 17:00	BATTERY 1	816 818	5	Routine	STACK 20%	dis		57 Rdg => 20%		HEATING. XSiach, Overimization, eskage, Rotractory.
0.0	OPEN	08/07/12 15:00	ваттенуз	A29	9	Routing	STACK 20%	dig		74 Rdg z> 20%		HEATING: XSisck, Overinterior, cakage, Refractory
<u> </u>	OPEN	09/07/12/12:00	ваттеку 2	n S	Þ	Routine	STACK 20%	d(S		58 Rdg => 20%		HEATING: XStack, Overimerick dakage, Refractory
1	OPEN	03/07/12 11:00	ваттеку 1	, AZ9		Routine	STACK 20%	SiP		27 Rdg => 20%		HEATING: XStack, Overditerior, sakage, Refractory
	Nado	08/07/12 08:00	BATTERY 3	A12	Э	Roufine	STACK 20%	dig		130 Rdy => 20%		NEATING: XStack_Overlinforfort.eakago_Retractiory_
1	Nado	09/07/12 05:00	ваттекуз	7.0	9	Routine	STACK 20%	Als		161 Ady => 20%		HEATING: XStack_OvenintariorLoakago_Refractory_
	Na do	08/07/12 04:00	ваттевуз	807	-	Rautina	STACK 20%	dis.		181 Rdg => 20%		HEATING: XStack_OveninteriorLeakage_Refractory_ Walls
	OPEN	09/07/12 03:00	BATTERY 3	108	. =	Routins	STACK 20%	Sip		161 Rdg => 20%		HEATING: XStack_OveninteriorLeakage_Refractory_ Walte
	OPEN	09/07/12 02:00	BATTERY 3	428	3	Rautine	STACK 20%	dis		44 Rdg 🗢 20%		HEATING: XStack_OveninteriorLeakage_Refractory_
<u> </u>	OPEN	09/06/12 18:00	BATTERY 2	A 28	7	Routine	STACK 60%	dis		1 Kdg => 60%		HEATING: XStack_OveninteriorLeskage_Refractory_: Walts
1	OPEN	09/06/12 16:00 BATTENY 2	BATTERY?	PS.	9	Rautine	STACK 20%	<u>4</u>		30 Rdg av 20%		HEATING: XStack, DveninteriorLeakage, Refractory, J Walls

US Steel	EXCEEDANCE 1 ING LOG - CA'RESPONSES
Veo.6.4.4	FROM: 3/27/2412 TO: 12/31/2012
Carr Action	
Response	

US Steel	67						EXCEL	EXCEEDANCE T		TING LOG - CA RESPONSES	ONSES	
Clairfor	Work.						£			7. 42 (0.4 (0.0)	ç	
#: #:000 #:#							i.	FROM: SAMES		.C. (2/3)(20)[2	77	
				000000000000000000000000000000000000000								***************************************
Reference	à	inspect				mspection	kspect	Affect		Event	Break	Root Cause
Munter	Status	Date	Facility		¥ĝ,	Reason	Туре	Standard	Dev.	Descrip	·	Response
				***************************************								
												HEATINGS

Notice   South   Note   Note	200												COLORADA AND AND AND AND AND AND AND AND AND
Status   Date   Facility   Does   Avg   Reason   Type   Standard   Dec   Date   Date	Reference	Event	Inspect			******	hapection	Inspect	Affect	******	Event	Break	Root Cause
OPEN         OPEN         OPEN         OPEN         STACK 20%         SP         19 Reg = 25%           OPEN         OPEN         OPEN         OPEN         TATTERY 1         B13         U         fraction         TATTERY 2         A12         U         fraction         STACK 20%         SP         22 Reg = 25%           OPEN         OPEN         OPEN         OPEN         SPACE 21:00         BATTERY 1         B13         U         fraction         STACK 20%         SP         21 Reg = 25%           OPEN         OPEN         OPEN         OPEN         SPACE 21:00         BATTERY 1         B13         U         fraction         STACK 20%         SP         21 Reg = 25%           OPEN         OPEN         OPEN         OPEN         SPACE 20         SP         21 Reg = 25%           OPEN         OPEN         OPEN         SPACE 20         SP         21 Reg = 25%           OPEN         OPEN         OPEN         SPACE 20         SP         SP         21 Reg = 25%           OPEN         OPEN         OPEN         SPACE 20         SP         SP         21 Reg = 25%           OPEN         OPEN         OPEN         SPACE 20         SP         SP         22 Reg = 25%	Munther	Status	Date	Facility	E Ĉ	Agy	Reason	Туре	Standard	λäΩ	Descrip	Dawn	Response
OPEN         Debicate strong         BATTERY I         DBS         U         Reading         STACK 20%         SIP         19 Role           OPEN         Debicate 2 0x00         BATTERY I         Add         U         Reading         STACK 20%         SIP         22 Role	***************************************	***************************************	000000000000000000000000000000000000000	***************************************	***************************************	2000000000000	200000000000000000000000000000000000000	***************************************	***************************************	,000,000,000,000	***************************************		***************************************
OPEN         OPEN         OPEN         OPEN         STACK 20%         SIP         23 Rdg = 20%           OPEN         OPEN         OPEN         OPEN         STACK 20%         STACK 20%         SIP         23 Rdg = 20%           OPEN         OPEN         OPEN         OPEN         STACK 20%         SIP         23 Rdg = 20%           OPEN         OPEN         OPEN         OPEN         STACK 20%         SIP         20 Rdg = 20%           OPEN         OPEN         OPEN         OPEN         STACK 20%         SIP         21 Rdg = 20%           OPEN         OPEN         OPEN         OPEN         STACK 20%         SIP         21 Rdg = 20%           OPEN         OPEN         OPEN         OPEN         STACK 20%         SIP         21 Rdg = 20%           OPEN         OPEN         OPEN         STACK 20%         SIP         21 Rdg = 20%           OPEN         OPEN         OPEN         STACK 20%         SIP         21 Rdg = 20%           OPEN         OPEN         OPEN         STACK 20%         SIP         21 Rdg = 20%           OPEN         OPEN         OPEN         STACK 20%         SIP         21 Rdg = 20%           OPEN         OPEN         OPEN<	650183	Nado	09/12 07:00	BATTERY (	25.0	<b>3</b>	Reudine	STACK 20%	Š		19 Rdg == 20%		HEATING: XSisck Overinterfor Loaksigo_Refractory.!
OPEN         OPEN         OPEN         OPEN         STACK 20%         STACK 20%         SP         2.3 Rdg = 20%           OPEN         090047.2 21:00         BATTERY 2         A12         U         Routine         STACK 20%         SP         2.7 Rdg = 20%           OPEN         090047.2 21:00         BATTERY 2         A12         U         Routine         STACK 20%         SP         2.7 Rdg = 20%           OPEN         090047.2 21:00         BATTERY 2         B17         U         Routine         STACK 20%         SP         2.7 Rdg = 20%           OPEN         090047.2 21:00         BATTERY 2         B17         U         Routine         STACK 20%         SP         2.7 Rdg = 20%           OPEN         090047.2 19:00         BATTERY 2         B17         U         Routine         STACK 20%         SP         2.7 Rdg = 20%           OPEN         090047.2 19:00         BATTERY 3         A11         U         Routine         STACK 20%         SP         2.7 Rdg = 20%           OPEN         090047.2 19:00         BATTERY 3         A11         U         Routine         STACK 20%         SP         SR Rdg = 20%           OPEN         090047.2 17:00         BATTERY 3         B19 B21         U <td>550048</td> <td>OPEN</td> <td>09/06/12 06:00</td> <td>ваттепу (</td> <td>823</td> <td>************</td> <td>Routine</td> <td>STACK 20%</td> <td>dis</td> <td></td> <td>38 Rdg =&gt;: 20%</td> <td></td> <td>HEATING: XStack_OvenimertocLeakage_Refractory_</td>	550048	OPEN	09/06/12 06:00	ваттепу (	823	************	Routine	STACK 20%	dis		38 Rdg =>: 20%		HEATING: XStack_OvenimertocLeakage_Refractory_
OPEN         0806/12 2:00         BATTERY 1         A12         V         Routine         STACK 20%         SIP         2.1 Rdg => 20%           OPEN         0806/12 20:00         BATTERY 2         A12         V         Routine         STACK 20%         SIP         2.2 Rdg => 20%           OPEN         0806/12 20:00         BATTERY 1         B00         U         Routine         STACK 20%         SIP         2.2 Rdg => 20%           OPEN         0806/12 50:00         BATTERY 1         B00         U         Routine         STACK 20%         SIP         2.2 Rdg => 20%           OPEN         0806/12 50:00         BATTERY 1         B00         U         Routine         STACK 20%         SIP         2.2 Rdg => 20%           OPEN         0806/12 50:00         BATTERY 1         B10         D         Routine         STACK 20%         SIP         2.2 Rdg => 20%           OPEN         0806/12 77:00         BATTERY 1         B16         U         Routine         STACK 20%         SIP         2.2 Rdg => 20%           OPEN         0806/12 77:00         BATTERY 1         B16         U         Routine         STACK 20%         SIP         SIP         SIP Rdg => 20%	6.49903	ОРЕМ	09/06/12 03:00	ваттеку	Ade	3	Roudine	STACK 20%	dis		23 Rdg => 20%		HEATING: XStack, Overdinerior Leakage, Refractory, I
OPEN         GB065712 00-00         BATTERY 1         A12         U         Routine         STACK 20%         SIP         40 Reg => 20%           OPEN         09/05/12 00-00         BATTERY 1         B10         U         Routine         STACK 20%         SIP         2.0 Reig => 20%           OPEN         09/05/12 01-00         BATTERY 1         B12 B22         U         Routine         STACK 20%         SIP         2.0 Reig => 20%           OPEN         09/05/12 21:00         BATTERY 1         B16 B2         U         Routine         STACK 20%         SIP         2.0 Reig => 20%           OPEN         09/05/12 18:00         BATTERY 1         B16 B2         U         Routine         STACK 20%         SIP         2.0 Reig => 20%           OPEN         09/05/12 18:00         BATTERY 3         B16 B2         U         Routine         STACK 20%         SIP         2.0 Reig => 20%           OPEN         09/05/12 18:00         BATTERY 3         B16 B2         U         Routine         STACK 20%         SIP         RIR Reig => 20%           OPEN         09/05/12 17:00         BATTERY 3         B18 B2         U         Routine         STACK 20%         SIP         B18 B2 => 20%	649534	Nado O	09/05/12 21/00	BATTERY	830	10.200	Roudina	STACK 20%	dis		21 Rdg e> 20%		NEATING: KStack Operational Operational Opecity!
OPEN         0905/12 00:00         BATTERY 1         B00         U         Routine         GTACK 20W         SIP         20 Rdig => 20 R	649453	OPEN	00/05/12 20:00	ВАТТЕКУ 2	A12	251/2006189	Routine	STACK 20%	dis		40 Rdg av 20%		HEATING: XSiack: OvenhiteriorLeakage, Refrectory.
OPEN         05/05/12 01:00         BATTERY 1         U Routine         STACK 20%         SiP         23 Rdg × 20%           OPEN         05/04/12 21:00         BATTERY 1         B16         U Routine         STACK 20%         SIP         B6 Rdg × 20%           OPEN         05/04/12 18:00         BATTERY 3         A11         U Routine         STACK 20%         SIP         B6 Rdg × 20%           OPEN         05/04/12 18:00         BATTERY 3         A11         U Routine         STACK 20%         SIP         B1 Rdg × 20%           OPEN         05/04/12 17:00         BATTERY 3         A11         U Routine         STACK 20%         SIP         B1 Rdg × 20%           OPEN         05/04/12 17:00         BATTERY 3         B19 B21         U Routine         STACK 20%         SIP         B1 Rdg × 20%	6:16:453	OPEN	08/02/12 08:00	ваттеку (	808	28.440.04.50	Routino	STACK 20%			20 Rdg => 20%		HEATING: XStack_OveninteriorLeakage_Retractory_i
OPEN         0904/12 21:00         BATTERY 1:         B16         U         Routing         STACK 20%         SIP         26 Rdg => 20%           OPEN         0904/12 17:00         BATTERY 1:         B16         U         Routing         STACK 20%         SIP         23 Rdg => 20%           OPEN         0904/12 17:00         BATTERY 3:         A11         U         Routing         STACK 20%         SIP         68 Rdg => 20%           OPEN         0904/12 17:00         BATTERY 3:         B19 B21         U         Routing         STACK 20%         SIP         81 Rdg => 20%	647933	NBdO	09/08/12 01:00	BATTERY 2	417	······	Routing	STACK 20%	diS		23 Rdg e> 20%		MEATING: XStack_OveninteriorLeakage_Refractory_
OPEN         0906412 18:00         BATTERY 1         816         U         Routine         STACK 20%         SP         23 Ruig at 20%           OPEN         0906412 18:00         BATTERY 2         A11         U         Routine         STACK 20%         SP         68 Rdg at 20%           OPEN         0906412 17:00         BATTERY 3         A05         U         Routine         STACK 20%         SP         81 Rdg at 20%           OPEN         0806412 17:00         BATTERY 3         819 B21         U         Routine         STACK 20%         SP         14 Rdg at 20%	\$47714	OPEN	09/04/12 21:60	3.00	820 628	1909/1909	Routine	STACK 20%	dis		36 Rdg == 20%		HEATING. XStack_Operational_Operational_Opacity!
OPEN         0906412 18:00         BATTERY 3         A11         U         Routine         STACK 20%         SIP         69 Rdg => 20%           OPEN         0906412 17:00         BATTERY 3         B18 B21         U         Routine         STACK 20%         SIP         81 Rdg => 20%           OPEN         0980412 17:00         BATTERY 3         B18 B21         U         Routine         STACK 60%         SIP         14 Rdg => 60%	647598	Орем	09/04/12 19:00	ваттеку 1	818		Routine	STACK 20%	dIS		23 Rtg => 20%		HEATING: XShack_Operational_Operational_Opacity!
CPEN         0900412 17:00         BATTERY 3         B18 B21 B1         U Routine         STACK 20%         SIP         81 Rdg => 20%           OPEN         0980412 17:00         BATTERY 3         619 B21 B1         U Routine         STACK 60%         SIP         14 Rdg => 60%	647537	W do	09/04/12 18/00	BATTERY 3	Att		Routine	STACK 20%	ais		69 Reg 🗠 20%		HEATHIG: XStack_Operational_Operational_Extende
GPEN 08/04/12 17:00 BATTEKY 3 819 B21 U Routine STACK 60% SIP 14 Rdg => 60%	847462	Nado O	09:04/12 17:00	134 (100)	819 821 Ads	10.000000000000000000000000000000000000	Routine	STACK 20%	diS		81 Ray av 20%		HEATING: XSnack "Ovenimeriori, eakaga "Refractory
	647463	OPEN	09/04/12 17:00		819 821 A05	-	Routine	STACK 60%	als:		14 Rdg => 60%		HEATRIG: XStack_OveninteriorLeskage_Refractory_

US Steel   Clairton Work	EXCEEDANCE T ING LOG - CA RESPONSES
V&0.6,4,4	
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Response	

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Clairton Work. Veo.6.4.4	%						u.	FROM: 3/27/2012	~	TO: 12/31/2012	C!	
						***************************************				***************************************		
Reference	Event	inspect				inspection	inspect	Affect		Event	Break	Root Gause.
Number	Statos	Cate	Facility	Oven	Agy	Reason	Type	Standard	àd	Descrip	Down	Response
545574	N O	09/04/12 11:00	ВАТТЕНУ 2	A03	5	Roufine	STACK 60%	dis		12 Rdg => 60%		HEATNG: XStack_Operational_Operational_Opecity!
646973	OPEN	09/04/12 11:00	ваттепуз	Aco	9	Routine	STACK 20%	A,		48 Rdj 20 20%		HEATING: AStack, Operational, Operational, Operatory
544427	OPEN	58/03/12 02:00	ваттеку з	808	3	Routine	STACK 20%	dis.		45 Rdg == 20%		HEATNIG. XSlack, Oveninterfort.askage, Refractory.!
643668	RDY1	00//02/12 17//00	GATTERY 1	N24	23	Routine	STACK 20%	dl\$		41 Rdg ~> 20%		HEATING: Ashark_Oyanintsiiort.sakage_Refrastory
643343	OPEN	09/02/12 14/00	BATTERY 1	807	5	Routine	STACK 20%	dis		28 Kdg => 20%		HEATING, X31sck_Overnitoriori.cskage_Refractory_
643198	OPEN	09/02/12 13:00	BATTERY 2	620	э	Routine	STACK 20%	dis		20 Rdy => 20%		NEATING: XStack OverlinteriorLeakage, Refractory
643091	OPEN	09/02/12 12:00	BATTERYZ	908	Þ	Routine	STACK 26%	dis		23 Rdg => 20%		HEATING: XSlack, Overinterior Laskage, Rofractory,
642084	OPEN	09/02/12 11:00	BATTERY 3	A25	5	Routine	STACK 20%	Sip		19 Rdg => 20%		HEATING: XStack: DveninteriorLeakings_Hefractory_
642888	OPEN	09/02/12 10:00	BATTERY	81 81	э	Routine	STACK 20%	SP		20 Rdg => 20%		HEATING: XStack_Oveninterfort.eakage_Refractory_i
642566	Nado	09/02/12 08:00	GATTERY 3	830	- 2	Routine	STACK 20%	de S		46 Rdg as 20%		HEATING: XStack_OverphiciforLenkage_Refractory_
642567	N B B O O	00:02/12 06:00	ваттенуз	930	>	Routins	STACK 60%	dis		4 Rdg => 60%		HEATING: XStack_OvantnieriorLeakage_Refractory_
641368	OPEN	09/01/12 17:00	BATTERY 1	V33	ο	Routine	STACK 20%	415		22 Rdg => 20%		HEATING: XStack_OveninteriorLeahage_Refractory_